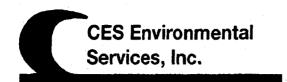
Enterprise Products 2093



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: na

Waste Pre-Acceptance/Approval Letter

Date 3/9/2007

Dear Mike Tomerlin

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2093

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)

Address: 1200 North Broadway

LaPorte, TX 77571

Waste Information

Name of Waste: Ethanol product TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Unused ethanol from pipeline operations

Chasea calanor from pipeline operations

Color: clear Odor: mild

Physical State:

Incompatibilities: see MSDS

Safety Related Data/Special Handling:

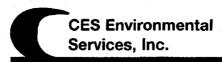
Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:		ts Operating, L.P. (Morgans	Point Facilty)	
Address:	1200 North Broad	way		
City, State, Zip:	Laporte, TX 7757	1-3031		
Contact:	Lanny Riggs		Title:	Operations Supervisor
Phone No:	281-470-4949		Fax No:	281-470-5856
24/hr Phone:	713-208-4766		_	
U.S. EPA I.D. No:	TXD008084238		-	
State I.D.	30282		SIC Code:	na
SECTION 2: Billing	Information -	Same as Above		
		Operating, (Morgans Point F	acility)	
<u> </u>	PO Box 573	8, (
_	Mont Belvieu, TX 7	7580-0573		*
· · · · —	Lanny Riggs	Title:	Operations Su	nervisor
	281-470-4949	Fax No:	281-470-5856	
I HORE IN.	201 470 4747	T dx 110.	201 170 3030	
CECTION 2 C	-1 D	* **/ 4 -		
SECTION 3: Gener	at Description of th	e waste		
Name of Waste: Eth Detailed Description		ing Waste: <u>Unused ethanol</u>	from pipeline o	perations
DI - 1-1 C4-4	⊠ Timeta		¬ n	
Physical State:		☐ Sludge [Powder	
	☐ Solid	Filter Cake	☐ Combinatio	n
Color: clear		Odor: <u>mild</u>		
Specific Gravity (wa	ter=1): .79	Density: 8.00 lbs/gal		
~p~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	, /			
Layers:	Single-phase ■ Sing	Multi-phase		
Layers.	M Single-phase	Multi-phase		
m	[7] p		.	
Container Type:	⊠ Drum	Tote] Truck	Other (explain)
Container Size:	<u>55 gal</u>	·		<u> </u>
	T \$57 - 3-5-	Danielle S	7 0	[^{m]} V
Frequency:	☐ Weekly	☐ Monthly ∑	Quarterly	Yearly
Number of Units (co	ntainers): <u>5</u>	Other:		
Texas State Waste C	ode No: Pr	oduct		
Proper U.S. DOT Sh	ipping Name:	Ethanol		
-				BO 10001
Class: 3	UN/N	A: UN1170	PG: II	RQ: 1000lbs
				· · · · · · · · · · · · · · · · · · ·
<u> </u>	T	r	· · · · · · · · · · · · · · · · · · ·	<u> </u>
Flash Point	pH	Reactive Sulfides	Reactive C	
<u>16.6</u>	NA 	Omg/I	0mg/l	0%
Oil&Grease	TOC	Zinc	Copper	Nickel
Omg/I	0mg/l	Omg/I	Omg/i	Omg/I

CES USE ONLY (DO NOT WRITE IN THIS SPACE) **Process Facility Information:** Compliance Officer: Ka \$100.00/drum Mix with KMCO ethanol product Approved Date: Rejected Approval Number: SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? \(\square\) YES ⊠ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product

Still bottoms

Byproduct waste glycol

	Wastewater from paint washes						
	Wastewater from adhesives and/o						
	Wastewater from organic chemic Tank clean-out from organic, non						
	rank cican out nom organic, non	petroleum sources					
						• .	
	· .						
(1)	If the waste contains oil and	grease at or in excess of 100	mg/L, the was	ste should be c	lassified in th	ne oils subcatego	v.
							_
(2)	If the waste contains oil and a of the values listed below, the				listed below i	n concentrations	in excess
	of the values fisted below, the	waste should be classified	in the metals s	ducategory.			
	Cadmium: 0.2 mg/L						
	Chromium: 8.9 mg/L Copper: 4.9 mg/L						
	Nickel: 37.5 mg/L		*,				
(3)							opper, or
	nickel above any of the value	s listed above, the waste she	ould be classifi	ed in the organ	nics subcateg	ory.	
	Metals Subcategory						
	Oils Subcategory						
	☐ One Subcategory						
	Organics Subcategor	ry					

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Material Safety Data Sheet Ethyl Alcohol, 70%

ACC# 91791

Section 1 - Chemical Product and Company Identification

MSDS Name: Ethyl Alcohol, 70%

Catalog Numbers: S75119, S75120, S556CA4

Synonyms: Ethyl Alcohol; Ethyl Hydrate; Ethyl Hydroxide; Fermentation Alcohol; Grain Alcohol; Methylcarbinol;

Molasses Alcohol; Spirits of Wine.

Company Identification:

Fisher Scientific 1 Reagent Lane

Fair Lawn, NJ 07410

For information, call: 201-796-7100 Emergency Number: 201-796-7100

For CHEMTREC assistance, call:800-424-9300

For International CHEMTREC assistance, call:703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
64-17-5	Ethyl alcohol	70	200-578-6
7732-18-5	Water	30	231-791-2

Hazard Symbols:F Risk Phrases: 11

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless clear liquid. Flash Point: 16.6 deg C. Flammable liquid and vapor. May cause central nervous system depression. Causes severe eye irritation. Causes respiratory tract irritation. Causes moderate skin irritation. This substance has caused adverse reproductive and fetal effects in humans. Warning! May cause liver, kidney and

heart damage.

Target Organs: Kidneys, heart, central nervous system, liver.

Potential Health Effects

Eye: Causes severe eye irritation. May cause painful sensitization to light. May cause chemical conjunctivitis and corneal damage.

Skin: Causes moderate skin irritation. May cause cyanosis of the extremities.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. May cause narcotic effects in high concentration. Vapors may cause dizziness or suffocation.

Chronic: May cause reproductive and fetal effects. Laboratory experiments have resulted in mutagenic effects. Animal studies have reported the development of tumors. Prolonged exposure may cause liver, kidney, and heart damage.

Section 4 - First Ald Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Gently lift eyelids and flush continuously with water.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Flush skin with plenty of soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If

breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

Notes to Physician: Treat symptomatically and supportively. Persons with skin or eye disorders or liver, kidney, chronic respiratory diseases, or central and peripheral nervous sytem diseases may be at increased risk from exposure to this substance.

Antidote: Replace fluid and electrolytes.

Section 5 - Fire Fighting Measures

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire.

Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water.

Flash Point: 16.6 deg C (61.88 deg F)

Autoignition Temperature: 363 deg C (685.40 deg F)

Explosion Limits, Lower 3.3 vol %

Upper: 19.0 vol %

NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8. **Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Do not store near perchlorates, peroxides, chromic acid or nitric acid.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ethyl alcohol	1000 ppm TWA	1000 ppm TWA; 1900 mg/m3 TWA 3300 ppm IDLH	1000 ppm TWA; 1900 mg/m3 TWA
Water	none listed	none listed	none listed

OSHA Vacated PELs: Ethyl alcohol: 1000 ppm TWA; 1900 mg/m3 TWA Water: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid

Appearance: colorless

Odor: Mild, rather pleasant, like wine or whis

pH: Not available.

Vapor Pressure: 59.3 mm Hg @ 20 deg C

Vapor Density: 1.59
Evaporation Rate:Not available. Viscosity: 1.200 cP @ 20 deg C

Boiling Point: 78 deg C

Freezing/Melting Point:-114.1 deg C **Decomposition Temperature**Not available.

Solubility: Miscible.

Specific Gravity/Density:0.790 @ 20°C

Molecular FormulaC2H5OH Molecular Weight:46.0414

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, ignition sources, excess heat, oxidizers.

Incompatibilities with Other Materials: Strong oxidizing agents, acids, alkali metals, ammonia, hydrazine, peroxides, sodium, acid anhydrides, calcium hypochlorite, chromyl chloride, nitrosyl perchlorate, bromine pentafluoride, perchloric acid, silver nitrate, mercuric nitrate, potassium-tert-butoxide, magnesium perchlorate, acid chlorides, platinum, uranium hexafluoride, silver oxide, iodine heptafluoride, acetyl bromide, disulfuryl difluoride, tetrachlorosilane + water, acetyl chloride, permanganic acid, ruthenium (VIII) oxide, uranyl perchlorate, potassium dioxide.

Hazardous Decomposition Products Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 64-17-5: KQ6300000 CAS# 7732-18-5: ZC0110000

LD50/LC50:

CAS# 64-17-5:

Draize test, rabbit, eye: 500 mg Severe; Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, skin: 20 mg/24H Moderate; Inhalation, mouse: LC50 = 39 gm/m3/4H; Inhalation, rat: LC50 = 20000 ppm/10H; Oral, mouse: LD50 = 3450 mg/kg; Oral, rabbit: LD50 = 6300 mg/kg;

Oral, rat: LD50 = 9000 mg/kg; Oral, rat: LD50 = 7060 mg/kg;

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg;

Carcinogenicity:

CAS# 64-17-5:

ACGIH: A4 - Not Classifiable as a Human Carcinogen CAS# 7732-18-5: Not listed by ACGIH, IARC, NIOSH, NTP, or

Epidemiology: Ethanol has been shown to produce fetotoxicity in the embry o or fetus of laboratory animals. Prenatal exposure to ethanol is associated with a distinct pattern of co ngenital malformations that have collectively been termed the "fetal alcohol syndrome".

Teratogenicity: Oral, Human - woman: TDLo = 41 gm/kg (female 41 week(s) after conception) Effects on Newborn Apgar score (human only) and Effects on Newborn - other neonatal measures or effects and Effects on Newborn - drug dependence.

Reproductive Effects: Intrauterine, Human - woman: TDLo = 200 mg/kg (female 5 day(s) pre-mating) Fertility - female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated). Neurotoxicity: No information available.

Mutagenicity: DNA Inhibition: Human, Lymphocyte = 220 mmol/L.; Cytogenetic Analysis: Human, Lymphocyte = 1160

gm/L.; Cytogenetic Analysis: Human, Fibroblast = 12000 ppm.; Cytogenetic Analysis: Human, Leukocyte = 1 pph/72H (Continuous).; Sister Chromatid Exchange: Human, Lymphocyte = 500 ppm/72H (Continuous). Other Studies: Standard Draize Test(Skin, rabbit) = 20 mg/24H (Moderate) S tandard Draize Test: Administration into the eye (rabbit) = 500 mg (Severe).

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: LC50 = 12900-15300 mg/L; 96 Hr; Flow-through @ 24-24.3°C Rainbow trout: LC50 = 11200 mg/L; 24 Hr; Fingerling (Unspecified) ria: Phytobacterium phosphoreum: EC50 = 34900 mg/L; 5-30 min; Microtox test When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to adsorb to sediment or bioconcentrate in fish. Environmental: When released to the atmosphere it will photodegrade in hours (polluted urban atmosphere) to an estimated range of 4 to 6 days in less polluted areas. Rainout should be significant.

Physical: No information available.

Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed. RCRA U-Series: None listed.

Section 14 - Transport Information

ing a mangang pagang ang kang di salah salah Salah Salah sa	US DOT	IATA RID/ADR IMO	Canada TDG
Shipping Name:	ETHANOL		No information available.
Hazard Class:	3		
UN Number:	UN1170		
Packing Group:	II		

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 64-17-5 is listed on the TSCA inventory.

CAS# 7732-18-5 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 64-17-5: acute, chronic, flammable.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 64-17-5 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

WARNING: This product contains Ethyl alcohol, a chemical known to the state of California to cause birth defects or other reproductive harm. California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations European Labeling in Accordance with EC Directives Hazard Symbols:

Risk Phrases:

R 11 Highly flammable.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 33 Take precautionary measures against static discharges.

S 7 Keep container tightly closed.

S 9 Keep container in a well-ventilated place.

WGK (Water Danger/Protection)

CAS# 64-17-5: 0

CAS# 7732-18-5: No information available.

Canada - DSL/NDSL

CAS# 64-17-5 is listed on Canada's DSI List.

CAS# 7732-18-5 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of B2, D2A, D2B.

Canadian Ingredient Disclosure List

CAS# 64-17-5 is listed on the Canadian Ingredient Disclosure List.

Exposure Limits

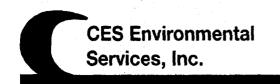
CAS# 64-17-5: OEL-AUSTRALIA:TWA 1000 ppm (1900 mg/m3) OEL-BELGIUM:T WA 1000 ppm (1880 mg/m3) OEL-CZECHOSLOVAKIA:TWA 1000 mg/m3;STEL 5000 mg/m3 OEL-DENMARK:TWA 1000 ppm (1900 mg/m3) OEL-FINLAND:TWA 1000 ppm (1900 mg/m3);STEL 1250 ppm (2400 mg/m3) OEL-FRANCE:TWA 1000 ppm (190 0 mg/m3);STEL 5000 pp OEL-GERMANY:TWA 1000 ppm (1900 mg/m3) OEL-HUNG ARY:TWA 1000 mg/m3;STEL 3000 mg/m3 OEL-THE NETHERLANDS:TWA 1000 ppm (1900 mg/m3) OEL-THE PHILIPPINES:TWA 1000 ppm (1900 mg/m3) OEL-POLAND :TWA 1000 mg/m3 OEL-RUSSIA:STEL 1000 mg/m3 OEL-SWEDEN:TWA 1000 ppm (1900 mg/m3) OEL-SWITZERLAND:TWA 1000 ppm (1900 mg/m3) OEL-THAILAND:T WA 1000 ppm (1900 mg/m3) OEL-TURKEY:TWA 1000 ppm (1900 mg/m3) OEL-UN ITED KINGDOM:TWA 1000 ppm (1900 mg/m3) JAN9 OEL IN BULGARIA, COLOMBIA , JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNA M check ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 4/17/2001 Revision #1 Date: 4/17/2001

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Enterprise Products 2094 Prot # 2094



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/9/2007

Dear Mike Tomerlin

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2094

Generator: Enterprise Products Operating, L.P. (Morgan Point Facility)

Address: 1200 North Broadway

LaPorte, TX 77571

Waste Information

Name of Waste: Unused methanol TCEO Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Unused methanol from MTBE unit (which no longer runs)

Color: clear

Odor: weak

pH: na

Physical State:

Incompatibilities: see MSDS

Safety Related Data/Special Handling:

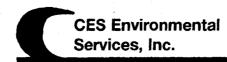
Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera				
Company:		s Operating, L.P. (Morg	gans Point Facilty)	
Address:	1200 North Broad	way		
City, State, Zip:	Laporte, TX 7757	1-3031		·
Contact:	Lanny Riggs		Title:	Operations Supervisor
Phone No:	281-470-4949		Fax No:	281-470-5856
24/hr Phone:	713-208-4766			
U.S. EPA I.D. No:	TXD008084238			
State I.D.	30282		SIC Code:	na
SECTION 2: Billing	Information - S	Same as Above		
		Operating, (Morgans Po	int Facility)	
	PO Box 573	78, (8		
_	Mont Belvieu, TX 7	7580-0573		
· · · · · · · · · · · · · · · · · · ·	Lanny Riggs	Title:	Operations Su	inervisor
	281-470-4949	Fax N		
FROME INO:	201-470-4949	rax iv	201-470-3030	,
		-		
SECTION 3: Genera	al Description of the	e Waste	•	
	156.1			
Name of Waste: Unu				
Detailed Description	of Process Generat	ing Waste: <u>Unused me</u>	thanol from the MTL	BE unit (which no longer runs)
	57	FT 0		
Physical State:	∠ Liquid	☐ Sludge	Powder	
	☐ Solid	Filter Cake	Combination	n
the second second				
Color: clear	()dor: weak		
				
Specific Gravity (wat	or=1). 70	Density: 8.00 lbs/ga	1	
Specific Gravity (wat	.ci=1 <i>j</i> . <u>.i2</u>	Density: 0.00 103/50	••	
_	5 7 a	[] 3 (10 1		
Layers:	Single-phase	Multi-pha	se	
Container Type:	⊠ Drum	Tote	Truck	Other (explain)
Container Size:	<u>55 gal</u>			
				
			_	
Frequency:	■ Weekly	Monthly	Quarterly	⊠ Yearly
Number of Units (cor	ntainers): <u>5</u>	Other:		
Texas State Waste Co		oduct		
Proper U.S. DOT Shi	ipping Name:	Methanol		
Class: 3	UN/N	A: UN1230	PG: II	RQ: 5000lbs
	OIWIN			
			•	
Flash Point	рН	Reactive Sulfides	Reactive C	yanides Solids
11	NA NA	Omg/I	Omg/I	<u>0</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
One Grease	Omg/I	Omg/I	Omg/I	Omg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units or %	
The waste consists of the following r	Ranges are acceptable		
Methanol		98-100	%
Water		0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. $\underline{Standard\ PPE}$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

acids, isocyanates, nitrides, peroxides and hydroperoxides, epoxides, oxidants, active metals, water reative substances

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of	f the hazardo	us waste c	haracteristics	, listed below,	WAS NOT PER	RFORMED	based upon t	he following
generator knowledge:								
TOLD Madala	v							

TCLP Metals: 2
TCLP Volatiles: 2
TCLP Semi-Volatiles: 2
Reactivity: 2
Corrosivity: 2
Ignitability: 2

SECTION 9: Generator's Certification

The Country of the Co
The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above at
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willf
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materia
tested are representative of all materials described by this document.
Alat Dan in 1
Authorized Signature: NOT Real Dice of Date:

Printed Name/Title:	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Lollbert Approved Rejected	Process Facility Information: \$100.00/drum Mix with KMCO ethanol product
Approval Number: 2094	

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? YES ⋈ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

Material Safety Data Sheet

Methyl Alcohol, Reagent ACS, 99.8% (GC)

ACC# 95294

Section 1 - Chemical Product and Company Identification

MSDS Name: Methyl Alcohol, Reagent ACS, 99.8% (GC)

Catalog Numbers: AC423950000, AC423950010, AC423950020, AC423955000, AC9541632,

AC423952

Synonyms: Carbinol; Methanol; Methyl hydroxide; Monohydroxymethane; Pyroxylic spirit; Wood

alcohol; Wood naptha; Wood spirit; Monohydroxymethane; Methyl hydrate.

Company Identification:

Acros Organics N.V. One Reagent Lane Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01 For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
67-56-1	Methyl alcohol	99+	200-659-6

Hazard Symbols: TF

Risk Phrases: 11 23/24/25 39/23/24/25

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear, colorless. Flash Point: 11 deg C. Poison! Cannot be made non-poisonous. Causes eye and skin irritation. May be absorbed through intact skin. This substance has caused adverse reproductive and fetal effects in animals. Danger! Flammable liquid and vapor. Harmful if inhaled. May be fatal or cause blindness if swallowed. May cause central nervous system depression. May cause digestive tract irritation with nausea, vomiting, and diarrhea. Causes respiratory tract irritation. May cause liver, kidney and heart damage.

Target Organs: Kidneys, heart, central nervous system, liver, eyes.

Potential Health Effects

Eve: Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause painful sensitization to light.

Skin: Causes moderate skin irritation. May be absorbed through the skin in harmful amounts.

Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.

Ingestion: May be fatal or cause blindness if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause cardiopulmonary system effects.

Inhalation: Harmful if inhaled. May cause adverse central nervous system effects including

headache, convulsions, and possible death. May cause visual impairment and possible permanent blindness. Causes irritation of the mucous membrane.

Chronic: Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion. Chronic exposure may cause reproductive disorders and teratogenic effects. Laboratory experiments have resulted in mutagenic effects. Prolonged exposure may cause liver, kidney, and heart damage.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician: Effects may be delayed. Ethanol may inhibit methanol metabolism.

Section 5 - Fire Fighting Measures

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Vapors can travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May be ignited by heat, sparks, and flame.

Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. For large fires, use water spray, fog or alcohol-resistant foam. Do NOT use straight streams of water.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8. **Spills/Leaks:** Scoop up with a nonsparking tool, then place into a suitable container for disposal. Use water spray to disperse the gas/vapor. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as saw dust. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. **Storage:** Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Keep containers tightly closed. Do not store in aluminum or lead containers.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use only under a chemical fume hood.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Methyl alcohol	200 ppm TWA; 250 ppm STEL; skin - potential for cutaneous absorption	200 ppm TWA; 260 mg/m3 TWA 6000 ppm IDLH	200 ppm TWA; 260 mg/m3 TWA

OSHA Vacated PELs: Methyl alcohol: 200 ppm TWA; 260 mg/m3 TWA; 250 ppm STEL; 325

mg/m3 STEL

Personal Protective Equipment

Eyes: Wear chemical goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure. **Clothing:** Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR ?1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace

conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: clear, colorless Odor: alcohol-like - weak odor

pH: Not available.

Vapor Pressure: 128 mm Hg @ 20 deg C

Vapor Density: 1.11 (Air=1) Evaporation Rate:5.2 (Ether=1) Viscosity: 0.55 cP 20 deg C

Boiling Point: 64.7 deg C @ 760.00mm Hq

Freezing/Melting Point:-98 deg C

Autoignition Temperature: 464 deg C (867.20 deg F)

Flash Point: 11 deg C (51.80 deg F)

Decomposition Temperature:Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 3; Reactivity: 0

Explosion Limits, Lower: 6.0 vol %

Upper: 36.00 vol % **Solubility:** miscible

Specific Gravity/Density:.7910g/cm3

Molecular Formula:CH40 Molecular Weight:32.04

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: High temperatures, incompatible materials, ignition sources, oxidizers. Incompatibilities with Other Materials: Acids (mineral, non-oxidizing, e.g. hydrochloric acid, hydrofluoric acid, muriatic acid, phosphoric acid), acids (mineral, oxidizing, e.g. chromic acid, hypochlorous acid, nitric acid, sulfuric acid), acids (organic, e.g. acetic acid, benzoic acid, formic acid, methanoic acid, oxalic acid), azo, diazo, and hydrazines (e.g. dimethyl hydrazine, hydrazine, methyl hydrazine), isocyanates (e.g. methyl isocyanate), nitrides (e.g. potassium nitride, sodium nitride), peroxides and hydroperoxides (organic, e.g. acetyl peroxide, benzoyl peroxide, butyl peroxide, methyl ethyl ketone peroxide), epoxides (e.g. butyl glycidyl ether), Oxidants (such as barium perchlorate, bromine, chlorine, hydrogen peroxide, lead perchlorate, perchloric acid, sodium hypochlorite)., Active metals (such as potassium and magnesium)., acetyl bromide, alkyl aluminum salts, beryllium dihydride, carbontetrachloride, carbon tetrachloride + metals, chloroform + heat, chloroform + sodium hydroxide, cyanuric chloride, diethyl zinc, nitric acid, potassium-tert-butoxide, chloroform + hydroxide, water reactive substances (e.g. acetic anyhdride, alkyl aluminum chloride, calcium carbide, ethyl dichlorosilane).

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, formaldehyde.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 67-56-1: PC1400000

LD50/LC50: CAS# 67-56-1:

Draize test, rabbit, eye: 40 mg Moderate; Draize test, rabbit, eye: 100 mg/24H Moderate;

Draize test, rabbit, skin: 20 mg/24H Moderate;

Inhalation, rat: LC50 = 64000 ppm/4H; Oral, mouse: LD50 = 7300 mg/kg; Oral, rabbit: LD50 = 14200 mg/kg; Oral, rat: LD50 = 5628 mg/kg; Skin, rabbit: LD50 = 15800 mg/kg;

Carcinogenicity:

CAS# 67-56-1: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: Methanol has been shown to produce fetotoxicity in the embr yo or fetus of laboratory animals. Specific developmenta I abnormalities include cardiovascular, musculoskeletal, and urogenital systems.

Teratogenicity: Effects on Newborn: Behaviorial, Oral, rat: TDLo=7500 mg/kg (female 17-19 days after conception). Effects on Embryo or Fetus: Fetotoxicity, Inhalation, rat: TCLo=10000

ppm/7H (female 7-15 days after conception). Specific Developmental Abnormalities: Cardiovascular, Musculoskeletal, Urogenital, Inhalation, rat: TCLo=20000 ppm/7H (7-14 days after conception).

Reproductive Effects: Paternal Effects: Spermatogenesis: Intraperitoneal, mouse TDLo=5 g/kg (male 5 days pre-mating). Fertility: Oral, rat: TDLo = 35295 mg/kg (female 1-15 days after conception). Paternal Effects: Testes, Epididymis, Sperm duct: Oral, rat: TDLo = 200 ppm/20H (male 78 weeks pre-mating).

Neurotoxicity: No information available.

Mutagenicity: DNA inhibition: Human Lymphocyte = 300 mmol/L. DNA damage: Oral, rat = 10 umol/kg. Mutation in microorganisms: Mouse Lymphocyte = 7900 mg/L. Cytogenetic analysis: Oral, mouse = 1 gm/kg.

Other Studies: Standard Draize Test(Skin, rabbit) = 20 mg/24H (Moderate) S tandard Draize

Test: Administration into the eye (rabbit) = 40 mg (Moderate). Standard Draize test:

Administration int o the eye (rabbit) = 100 mg/24 H (Moderate).

Section 12 - Ecological Information

Ecotoxicity: Fish: Fathead Minnow: 29.4 g/L; 96 Hr; LC50 (unspecified) Goldfish: 250 ppm; 11 Hr; resulted in death Rainbow trout: 8000 mg/L; 48 Hr; LC50 (unspecified) Rainbow trout: LC50 = 13-68 mg/L; 96 Hr.; 12 degrees C Fathead Minnow: LC50 = 29400 mg/L; 96 Hr.; 25 degrees C, pH 7.63 Rainbow trout: LC50 = 8000 mg/L; 48 Hr.; Unspecified ria: Phytobacterium phosphoreum: EC50 = 51,000-320,000 mg/L; 30 minutes; Microtox test No data available.

Environmental: Dangerous to aquatic life in high concentrations. Aquatic toxicity rating: TLm 96>1000 ppm. May be dangerous if it enters water intakes. Methyl alcohol is expected to biodegrade in soil and water very rapidly. This product will show high soil mobility and will be degraded from the ambient atmosphere by the reaction with photochemically produced hyroxyl radicals with an estimated half-life of 17.8 days. Bioconcentration factor for fish (golden ide) < 10. Based on a log Kow of -0.77, the BCF value for methanol can be estimated to be 0.2.

Physical: No information available.

Other: None.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: CAS# 67-56-1: waste number U154; (Ignitable waste).

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	ІМО	Canada TDG
Shipping Name:	METHANOL				METHANOL
Hazard Class:	3		,		3(6.1)
UN Number:	UN1230			•	UN1230
Packing Group:	II				II
Additional Info:					FLASHPOINT

smoking.

S 36/37 Wear suitable protective clothing and gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 7 Keep container tightly closed.

WGK (Water Danger/Protection)

CAS# 67-56-1: 1

Canada

CAS# 67-56-1 is listed on Canada's DSL List. CAS# 67-56-1 is listed on Canada's DSL List. This product has a WHMIS classification of B2, D1A, D2B. CAS# 67-56-1 is listed on Canada's Ingredient Disclosure List.

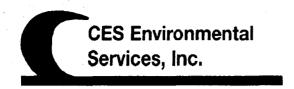
Exposure Limits

CAS# 67-56-1: OEL-ARAB Republic of Egypt:TWA 200 ppm (260 mg/m3);Ski n OEL-AUSTRALIA:TWA 200 ppm (260 mg/m3);STEL 250 ppm;Skin OEL-BELGIU M:TWA 200 ppm (262 mg/m3);STEL 250 ppm;Skin OEL-CZECHOSLOVAKIA:TWA 10 0 mg/m3;STEL 500 mg/m3 OEL-DENMARK:TWA 200 ppm (260 mg/m3);Skin OEL-FINLAND:TWA 200 ppm (260 mg/m3);STEL 250 ppm;Skin OEL-FRANCE:TWA 200 ppm (260 mg/m3);STEL 1000 ppm (1300 mg/m3) OEL-GERMANY:TWA 200 ppm (2 60 mg/m3);Skin OEL-HUNGARY:TWA 50 mg/m3;STEL 100 mg/m3;Skin JAN9 OEL -JAPAN:TWA 200 ppm (260 mg/m3);Skin OEL-THE NETHERLANDS:TWA 200 ppm (260 mg/m3); Skin OEL-THE PHILIPPINES: TWA 200 ppm (260 mg/m3) OEL-POLA ND:TWA 100 mg/m3 OEL-RUSSIA:TWA 200 ppm;STEL 5 mg/m3;Skin OEL-SWEDEN :TWA 200 ppm (250 mg/m3);STEL 250 ppm (350 mg/m3);Skin OEL-SWITZERLAN D:TWA 200 ppm (260 mg/m3);STEL 400 ppm;Skin OEL-THAILAND:TWA 200 ppm (260 mg/m3) OEL-TURKEY:TWA 200 ppm (260 mg/m3) OEL-UNITED KINGDOM:TW A 200 ppm (260 mg/m3); STEL 250 ppm; Skin OEL IN BULGARIA, COLOMBIA, JO RDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM ch eck ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 7/21/1999 Revision #4 Date: 3/14/2001

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/9/2007

Dear Bill Glushko

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2095

Generator: KMCO, Inc.

Address: 16503 Ramsey Rd.

Crosby, TX 77532

Waste Information

Name of Waste: Ethanol

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Ethanol product

Color: amber

Odor: alcohol

pH: 3-11

Physical State:

Incompatibilities: see MSDS

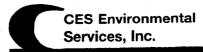
Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generate	or Information	100.00			
Company :	Kimco.	Inc			
Address :	16503	PAMSEY	_ <u>#</u> 9		
City, State, Zip:	Crosbe	1		TX 7	1532
Contact:	Bill 61	ushko	Tit	le :	
Phone No :	281-328	-3501	Fa	x:	
24 / HR Phone :					
U.S EPA I.D No :	11 Prodxt	98961			
State I.D :	31906	1	SIC	C Code Na	
SECTION 2: Billing In	nformation				
Company :	Kmco.	Inc			
Address :	16503		EU Rd		
City, State, Zip:	Crosb	XT	1	32	
Contact :	11	ushko		le :	
Phone No :		28-3501	Fa	x :	
SECTION 3: General	Description of the Wa	ste			
Name of Waste : _	Ethano	\			The second spaces of the second spaces of the second secon
Physical State :	✓Liquid ✓ Solid	Sludge Filter Cake	Powde		
Color :	4.0	imber	Odor:	Alea	hol
Specific Gravity (W		79	Density :	Aloca 6.5	lbs / gal
Layers :	▼ Single-Phas	Multi-Phas	е		
Container Type:	Drum 🖂	Tote 📝	Truck 🗀 Ot	her (explain)	
Container Size :		<u> </u>	/APC000		
Number Of Units :					
Texas State Waste	Code No : Pr	oduct.	 ,		1170
Proper U.S. State V	Vaste Code No:	damma/7	ie Liqui	ids, N.O.s., u	n 1993 PG II
Class:	UN/N	A: 1995/	170 PG:	T	RQ: NA
Flash Point	рН	Read	tive Sulfides	Reactive Cyanides	Solids
< 100 €	3-1	1	<i>W\</i> Amg/l	N/A mg/	- N/A %
Oil and Greas	е , то	c	Zinc	Copper	Nickel
NIF	mg/l NA	mg/l	N/K mg/l	N/A mg/	1 11

SECTION 4: Physical and Chemical Data	
Ethanol 90-95 %	
Ethanol 90.95 % Water 5-10 %	
SECTION 5: Safety Related Data	
If the handling of this waste requires the use of special protective equipmen	t, please explain.
Standard PRE	
SECTION 6: Attached Supporting Documents	
List all documents, notes, data, and/or analysis attached to this form as part ${\cal MSDS}$	of the waste approval package.
SECTION 7: Incompatibilities	·
Please list all incompatibilities (if any):	
NONE SEE MEDS	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, listed below, Wafollowing generators knowledge	AS NOT PERFORMED based upon the
TCLP Metals:	
TCLP Volatilies :	
TCLP Semi-Volatiles :	
Reactivity:	
Corrosivity:	
Ignitability:	
SECTION 9: Generator's Certification The information contained herein is based on generator knowledge and above and attached description is complete and accurate to the best of my knowledge and the composition properties exist and that all knowledge. I certify that the materials tested are representative of all materials	nowledge and ability to determine that no nown or suspected hazards have been
Authorized Signature :	Date :
Printed Name / Title: not required	<u> </u>
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info:
Compliance Officer: Pohlan R. Ligurh	
Date: 3-9-07 Status: (Approved) Rejected	Recommended Treatment:
Approval Number: 2095	

	TION 10: Waste Receipt Classification Under 40 CFR 437
	s material a wastewater or wastewater sludge?
	S', complete this section
PLE	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Mata	Is Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oile !	Subcategory: Subpart B
	Used oils
\Box	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

Safety data for ethyl alcohol, absolute (200 proof)





Click here for data on ethyl alcohol in student-friendly format, from the HSci project

Glossary of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

General

Synonyms: ethanol, grain alcohol, fermentation alcohol, alcohol, methylcarbinol, absolute alcohol, absolute ethanol, anhydrous alcohol, alcohol dehydrated, algrain, anhydrol, Cologne spirit, duplicating fluid 100C, ethyl hydrate, ethyl hydroxide, jaysol, jaysol s, molasses alcohol, potato alcohol, sekundasprit, spirits of wine, spirit, synasol, tecsol Molecular $\rm C_2H_5OH$

CAS No: 64-17-5 EC No: 200-578-6

Annex I Index No: 603-002-00-5

Physical data

Appearance: colourless liquid

Melting point: -144 C Boiling point: 78 C Specific gravity: 0.789 Vapour pressure: 1.59

Flash point: 14 C (closed cup) Explosion limits: 3.3% - 24.5% Autoignition temperature: 363 C

Safety phrases

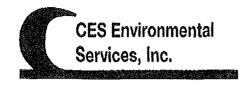
(The meaning of any safety phrases which appear in this section is given here.)

S7 S16 S24 S25 S36 S37 S39 S45.

[Return to Physical & Theoretical Chemistry Lab. Safety home page.]

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4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES	Waste	Approval	#:	HOU-2095
-----	-------	----------	----	----------

Customer:

KMCO, Inc.

Waste Generator:

KMCO, Inc.

Waste Stream Name:

Ethanol

Expiration Date:

3/9/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please send new profile as waste stream

has changed.

Kmco. 1 D/1

Customer Name

Signature

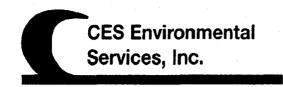
Company / Title

Date

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals TCLP Volatiles TCLP Semi-volatiles

Reactivity Corrosivity Ignitability Ventech Engineers Prot# 2016



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/12/2007

Dear Rick Griffin/Benny/Arthur

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2096

Generator: Ventech Engineers International Corp.

Address: 1107 Broadway

Pasadena, TX 77506

Waste Information

Name of Waste: Amine oil
TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Cleaning of an amine oil tank

Color: brown

Odor: oil like/slight amine

pH: neutral

Physical State:

Incompatibilities: oxidizers

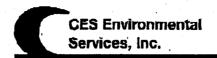
Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

12

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Gene	rator Information			•
Company:		International Corp.		
Address:	1107 Broadway	International Design		
City, State, Zip:	Pasadena, TX 775	06		
Contact:	Ernest Hernandez		Title:	Маладег
Phone No:	713-477-0973		Fax No:	713-477-1183
24/hr Phone:	CES-713-676-146	n	1.8% 140.	/15-4-7-1105
		<u> </u>		
U.S. EPA I.D. No:	NA NA		SIC Code:	N A
State I.D.	NA		SIC Code:	JV /
	· · · · ·			
	g Information -	same as Above		
Company:	Philip Services			
Address:	316 Georgia Ave.			
City, State, Zip:	Deer Park, TX 7753			
Contact:	Lisa Bennett	Title:	Accounting	
Phone No:	281-476-0291	Fax No:	281-476-9549	
SECTION 3: Gener	ral Description of the	e Waste		
Name of Waste: An	nine Oil			
Detailed Description	of Process Generat	ing Waste: Cleaning of an	amine oll tank	
•				
Physical State:	🛛 Liquid	☐ Sludge	Powder	
•	☐ Solid	Filter Cake	Combination	•
	bona	- Tittel Oute		
Color: Brown	_	dor: oil like/slight amine		
Color: Diown	•	dor: of the sugar annie		
- 12 - 1. 4		M14 10 16 -1 - 1		
Specific Gravity (wa	ter=1): <u>.851.0</u>	Density: 8 lbs/gal		
Layers:	Single-phase	Multi-phase		
Container Type:	☐ Drum	☐ Tote 🖺	₹ Truck	Other (explain)
Container Size:		•	1000	· · · · · · · · · · · · · · · · · · ·
Container Size.			Address of the second of the 	
Frequency:		Monthly	Quarterly	🛛 Yeariy
Number of Units (co	ntainers): 1	Other:		
Texas State Woste C	· -	-Recyclable Material		•
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material				
Class: NA	UN/NA	A: NA	PG: NA	RQ: NA
	. 014/142	Ac (1/ h .		478.
Flash Point	pH	Reactive Sulfides	Reactive Cy	anides Solids
>140	neutral	Omg/l	Omg/I	<3%
Oil&Grease	TOC	Zine	Соррег	Nickel
>1500mg/i	>1500mg/l	Omg/I	<u>O</u> mg/l	Omg/I
- 100XINE	1 1000 E		L-****	, <u> </u>

SECTION 4: Physical and Chemical Data

(ALM FOLKS MAKE)	\$(0,000,000)	海流
The waste consists of the following mater	ials Ranges are acceptable	07 %
Amine Oil	40-80	%
Water	40-80	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Chlor-D-Tect

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

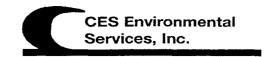
SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Date: 3-8-07
Printed Name/Title:	
ERNEST HERNANDEZ	SOPERVISOR.
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	g, , , ev
Compliance Officer: Polhant Thanges	Additional Information: 304/64/200 min
Date: 3-12-07 Approved Rejected	REC'
Approval Number: 296	

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? YES ⊠ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or studges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid morcury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources · Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wasteweter from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations

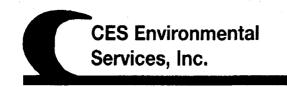
Tank clean-out from organic, non-petroleum sources



Sample Evaluation Form

Sample ID # <u>60/32</u>	Date 3 12 1 < 7
Please Complete This Section	
Generator / Customer Name: Vertech	
Name or Type of Waste: Senfect	
	7/35
Process Generating Waste: Storage Fand Reinson Number of Samples: Submitted By: 6	· · · · · · · · · · · · · · · · · · ·
Analysis To Be Completed: Chlor-17-Tect, F. J.	
Turnaround Time: 5779	
Other:	
(Lab Use Only)	
Sample Results : PASS CHUR B TECT	
Suggested Method of Treatment :	
Suggested Price Range :	
Sample Results Reported to	
Test Completed By: AC Date: 03/05/107 Tim	ne: _ 1 : 10 p M

397 Detimized Ansacs Design Roof # 2097



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/12/2007

Dear Fred Blankenship

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2097

Generator: Optimized Process Design

Address: 25610 Clay Road

Katy, TX 77493

Waste Information

Name of Waste: Dirt and oil mixture TCEQ Waste Code #: CESQ3191

Container Type:

Detailed Description of Process Generating Waste:

Unused hydraulic oil and dirt spill cleanup

Color: brown

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

MB

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Genera	tor Information			·
Сотрапу:	ttot intormation	OPTIMISED P.	mes les	ien
Address:	25610	Clan Rd.		
City, State, Zip:	Katy	ix.		
Contact:	Eddie Robbs		Title:	Fencility Mr.
Phone No:	281-371-75		Fax No:	
24/hr Phone:				
U.S. EPA I.D. No:	TXCESQ	<u> </u>		
State I.D.	CESO	<u> </u>	SIC Code:	NA

SECTION 2: Billing	Information - S	iame as Above	*	
Company:	Select En			
Address:		Carh Dr.		
City, State, Zip:	Hov.	DE. 77029		
Contact:	Fred Blader		mer.	
Phone No:	715-675-7371			
	- (- O ₁ O /)			
SECTION 3: Genera	d Description of the	Waste	.4	
Name of Waste: Detailed Description	of Process Generat	ing Waste: <u>Un</u> urul	Hydrachic	oil or dist spill clean-up
	п		ГП жэ	
Physical State:	Liquid	Sludge	Powder	
	Solid Solid	Filter Cake	Combination	00
0	_	14l l .	_	
Color: Dillun	,	odor: Hychocadu	-	
Specific Gravity (wat	er=1): <u> </u>	Density: MA lbs/ga	ıl	
Layers:	Single-phase	Multi-phase		·
•				
Container Type:	☐ Dram	☐ Tote	Truck	Other (explain)
Container Size:	<u>55</u> el.			-
				
	-			—
Frequency:	☐ Weekly	Monthly	Quarterly	☐ Yearly
Number of Units (con	itainers):	Other:		
Texas State Waste Co	ode No:	CESQ3K1		
Proper U.S. DOT Shi	pping Name:	Non-Haz	Solid	
Class / ·	UN/N		PG:	// PO: //
Class: \sqrt{A}	OI4/IA	A: <u>NA</u>	. U.	$\mathcal{N}_{\mathcal{A}}$ RQ: $\mathcal{N}_{\mathcal{A}}$
Flash Point	nH.	Reactive Sulfides	Reactive C	Cyanides Solids
7200	PH/A	MA_mg/I	MA mg/	1 /00 %
Oil&Grease			Copper	Nickel
A_mg/l	TOC V Mmg/l	Zine MA_mg/I	mg/t	Nickel mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units or %	
The waste consists of the following materials	Ranges are acceptable		
Dist	ę	95	
unused Hydrahi as 011		5	

UNUMER HYDROLIK as 011		
	 _	
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special protecti	ve equipment, please explain	
Standard PPE	, a admitment his process expirem	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this	form as part of the waste app	roval package.
anche is		
SECTION 7. Incompatibilities		
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):		
Nort		
STOTION 9. Comments Vinciniados Dosumentation		
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, list	ed below, WAS NOT PERFO	RMED based upon the follo
menerator knowledge	,	and a special tour

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:
SECTION 9: Generator's Certification
The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Date: 3-8-07
5018 2615
Printed Name/Title:
THE LOW AND MORE WEIGHT AN ATTIC CID ACC.
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Library Additional Information: 460/Jun
Date: 3-12-07 Approved Rejected
Approval Number: 201

SI	CCTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	Yes', complete this section.
DI	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
11	LEASE CHECK THE AFTROTRIATE BOX. IF NO AFFRORMATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	ils Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury
H	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes
닏	Wastewater from adhesives and/or epoxies formulation
님	Wastewater from organic chemical product operations Tank clean-out from organic non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
Metals Subcategory

SECTION 11: Additional Instructions

Oils Subcategory

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th, St. La Porte, TX 77571 281,471,0951 FAX:288,471,5821

CERTIFICATE OF ANALYSIS NO:

61571.01

1of 1

Customer: Select Env.

Sample ID: DP 1

Environ ID: 61571.01

Project ID: Design Process

Matrix: Soil

Sampled: 02-27-07 Received: 02-28-07

Project Loc: Brookshire

Charge/P.O.:

Type:

Reported: 03-05-07

			RECEIVED BA						
ANALYTE /	F	RESULT	UNITS	REG.	MQL	TEST	ANALYST	DATE	TIME
PARAMETER				LIMIT	<u></u>	METHOD			
BTEX									
Benzene	<	0.005	mg/kg	-	0.005	SW846.8021B	DMB	02-28-07	17:30
Toluene	<	0.005	mg/kg	-	0.005	SW846.8021B	DMB	02-28-07	17:30
Ethylbenzene	ì	0.049	mg/kg	-	0.005	SW846.8021B	DMB	02-28-07	17:30
Xylenes	}	0.180	mg/kg	-	0.015	SW846.8021B	DMB	02-28-07	17:30
Total BTEX		0.229	mg/kg			SW846.8021B	DMB	02-28-07	17:30
TOT. PET. HYDROCARBO	N			ļ	Ì	ļ			
GRO (Gasoline Range)	1	7,678	mg/kg	_	1,250	TCEQ 1005.03	DB	03-01-07	13:38
DRO (Diesel Range)	l	45,129	mg/kg	-	1,250	TCEQ 1005.03	DB	03-01-07	13:38
ORO (Oil Range)		1,335	mg/kg		1,250	TCEQ 1005.03	DB	03-01-07	13:38
TOTAL TPH		54,142	mg/kg		1,250			03-01-07	13:38
METALS (RCRA) - TCLP					{	SW846,1311	MN	02-28-07	1
Arsenic	<	0.02	mg/l	5.00	0.02	SW846.6010B	JK	03-02-07	13:09
Barium		0.87	mg/l	100	0.02	SW846.6010B	JK	03-02-07	13:09
Cadmium		0.06	mg/l	1.00	0.02	SW846.6010B) JK	03-02-07	13:09
Chromium	<	0.02	mg/l	5.00	0.02	SW846.6010B	JK	03-02-07	13:09
Lead	<	0.02	mg/l	5.00	0.02	SW846.6010B	JK	03-02-07	13:09
Selenium	<	0.05	mg/l	1.00	0.05	SW846.6010B	JK	03-02-07	13:09
Silver	<	0.05	mg/l	5.00	0.05	SW846.6010B	JK	03-02-07	13:09
Mercury	<	0.002	mg/l	0.200	0.002	SW846.7470A	MN	03-01-07	08:00
	1			I	İ			l	1

TCLP - Toxcisity Charasteric Leaching Proceduresu - Standard Units

REG - Regulatory Limit (User Should Confirm LimTPH - Total petroleum Hydrocarbons

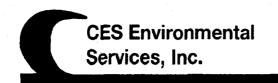
* Burn Time

MQL - Method Quanitation Limit

PPM - Parts Per Million

mg/i - PPM by Volume, mg/kg - PPM by Weight

John Keller, Ph.D **Laboratory Director**



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/12/2007

Dear Walter Tyson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2098

Generator: Cross Oil

Address: 484 East 6th Street

Smackover, AR 71762

Waste Information

Name of Waste: Wet oil

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Wet oil

Color: dark

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:	Cross O	: 1		
Address:	484 E.	Coth Street		
City, State, Zip:	Smackever		762	
Contact:	Wolfa Ty	ron	Title:	
Phone No: 87°	881-8705		Fax No:	
24/hr Phone:				
U.S. EPA I.D. No:	NIA			
State I.D.	MIA		SIC Code:	NA
			_ = = = = = = = = = = = = = = = = = = =	· P 3
SECTION 2: Billing	Information	Sama as Abovo		
Company:	Intormation -/	Same as Above		
Address:				
City, State, Zip:				- Marie Anna Carlotte - Marie -
Contact:		Title	···	
_		Title:		
Phone No:	· · · · · · · · · · · · · · · · · · ·	Fax No:		
SECTION 3: Gener	al Description of tl	<u>ne Waste</u>		
Name of Waste:				
Detailed Description	of Process Genera	ting Waste:		
	- \			
Physical State:	Liquid	☐ Sludge [Powder	
	☐ Solid	☐ Filter Cake	Combination	
•				
Color: D> C		Odor: Mydricolor		
		- (, / o/		
Specific County (40	Density: 7. lbs/gal		
Specific Gravity (was	ter=1):	Density: _/·/ibs/gal	•	
Layers:	☐ Single-phase	Multi-phase		
		· · · · · · · · · · · · · · · · · · ·		
Container Type:	Drum	☐ Tote 🗅	Truck	Other (explain)
Container Size:		_	55-1	
Container Size.				
4				
Frequency:	Weekly	☐ Monthly ☐	Quarterly	☐ Yearly
Number of Units (cor	ntainers): 3	Other:		<u></u>
Texas State Waste Co		<u> </u>		
Texas State waste Co	oue No:	Leagele		
Proper U.S. DOT Shi	ipping Name:	1/1.	- ~ - 1 =	cd = 11
Close	YINI A	10m DAT	PG: 01	<u> </u>
Class: NA	UN/N	IA: NA	$PG: \mathcal{M}$	RQ: N-A
The Date of		D	There is a	C.P.J.
Flash Point	PH //	Reactive Sulfides	Reactive Cyar	nides Solids
7150	PH 3-11	mg/l	<u>⊘</u> mg/l	0-1%
Flash Point > 15 & Oil&Grease MAmg/l	pH ス-// TOC ムハmg/I			Nickel

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable		
water	 0-13	270	
011	9-100	0/.	
		-	
		+	

The waste consists of the following materials	Ranges are acceptable	or %
rate-	0-13	2/0
) (0-100	0/-
CTION 5: Safety Related Data he handling of this waste requires the use of special protective equiparter のできる。	ment, please explain.	
CTION 6: Attached Supporting Documents		
t all documents, notes, data, and/or analysis attached to this form as	part of the waste approval packa	ige.
CTION 7: Incompatibilities		
ase list all incompatibilities (if any):		
lon!		
CTION 8: Generator's Knowledge Documentation		
C1101v 8. Generator 5 Knowledge Documentation		
boratory analysis of the hazardous waste characteristics, listed below	v, WAS NOT PERFORMED base	ed upon the follow
nerator knowledge:		
LP Metals: LP Volatiles: LP Semi-Volatiles: activity: rrosivity:		
rrosivity:		
itability:		
CTION 9: Generator's Certification		
e information contained herein is based on generator knowledge and/ sched description is complete and accurate to the best of my knowled issions of composition properties exist and that all known or suspected ed are representative of all materials described by this document.	lge and ability to determine that n hazards have been disclosed. I ce	no deliberate or we ertify that the mate
thorized Signature:	Date: 3/12/27	
nted Name/Title: NA Per note Bourn	·	
S USE ONLY (DO NOT WRITE IN THIS SPACE))
mpliance Officer: Robbin Rtyd Process	Facility Information:	minus
e: 5 1/ 4/ Approved Rejected 1	a her construct	
20,00	irmound load re	port tor
e: 3-17-07 Approved Rejected Process	s Facility Information: R +1.25 (5-1120) after content. Inhound lead re-	

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Pobler Type Date: 3-12-07 Approved Rejected	Process Facility Information: REC Pay *1. 25 9 -1 on minus water content.
Approval Number: 2098	Run inhound lead report for water and solids.

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? YES If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes

Off-specification organic product

Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

Still bottoms

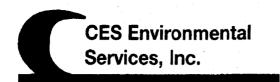
Byproduct waste glycol Wastewater from paint washes

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.				
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.				
		ium: 0.2 mg/L				
		nium: 8.9 mg/L				
		Copper: 4.9 mg/L				
	Nicke	1: 37.5 mg/L				
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.				
		Metals Subcategory				
		Oils Subcategory				
		Organics Subcategory				

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Allied Petrochemicals 2099 Proft 2099 72 VADY-09 8-4-09



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/12/2007

Dear J.A. Kessel

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2099

Generator: Allied Petrochemical LLC

Address: 2330 FM 2917

Alvin, TX 77511

Waste Information

Name of Waste: Hightech 5777 TCEO Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Removal of product from tank

Color: dark brown

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: none

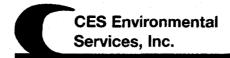
Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	erator Information		
Company:	Allied Petrochemical LLC		
Address:	2330 FM 29/7		
City, State, Zip:	Alvin, TX 77511		
Contact:	Jeck leersel	Title:	President low-
Phone No:	281-393-1233	Fax No:	
24/hr Phone:	291-393-1233		
U.S. EPA I.D. No:	~14	· ·	
State I.D.	NA	SIC Code:	
Company:	g Information – Same as Above		
Address:			
City, State, Zip:			
Contact:	Title:		
Phone No:	Fax No:	<u></u>	
SECTION 3: General	ral Description of the Waste		
Name of Waste: <u>H</u> Detailed Description	litech 5777 n of Process Generating Waste: <u>Pem</u> ovol	of pad-	ct for tank
Physical State:		Powder Combination	
Color: Dark B	Som Odor: Hydrocan		
Specific Gravity (wa	nter=1): <u>-90</u> Density: 7, 5 lbs/ga	al · ·	
Layers:	Single-phase		
Container Type: Container Size:	Drum Tote	Truck 55°	Other (explain)
Y	Weekly Monthly		N7 b.
Frequency:		Quarterly	☐ Yearly
Number of Units (co	ontainers): W Other:	_	
Texas State Waste C	Code No: Product		
Proper U.S. DOT Sh		1 \al	/ - 1
	1000 VV	t resulct	ed oil
Class:	UN/NA:	PG:	na RQ: 16
ElL D-i	Tall Danks Caled	Deserting C	rouides Colids
Flash Point	pH Reactive Sulfides $\sim (A-mg/l)$	Reactive Cy MAmg/I	/anides Solids
Oil&Grease	TOC _a Zinc	Copper	Nickel
<u> </u>	Mag/l M/A_mg/l	/ <u>V/ A</u> mg/I	∠

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Hitech 5777	100	2/2
		

The waste consists of the following materials	Ranges are acceptable	or %
Hited 5777	(00	1 /a
		
		
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special protecti Stendard PPE	ve equipment, please explain.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this	form as part of the weste approval peels	
None	form as part of the waste approvar packa	ge.
CD COTTON & I		
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):		
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, list generator knowledge:	ted below, WAS NOT PERFORMED base	ed upon the following
TCLP Metals:		
TCLP Volatiles:		
TCLP Semi-Volatiles:		
Corrosivity:		
Ignitability:		
SECTION 9: Generator's Certification		
The information contained herein is based on generator knowled attached description is complete and accurate to the best of my omissions of composition properties exist and that all known or stested are representative of all materials described by this document	knowledge and ability to determine that a suspected hazards have been disclosed. I c	no deliberate or will ertify that the materi
Authorized Signature:	Date: <u>51</u> (2)	,
Printed Name/Title: NA - for Math Boo	una	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:	2 /
Compliance Officer: Kollehy Citya	CES pays #2/gollon.	Budud
Date: 3-12-07 Approved Rejected	check for nater conte	nt
	1 1	

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Roblem Thy	Process Facility Information: Product CES pays #219 allon.
Date: 3-12-07 Approved Rejected	check for water content
Approval Number: ZE99	fill out inbound look report

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? YES If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations

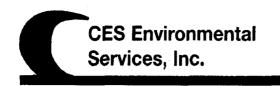
Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excervalues listed below, the waste should be classified in the metals subcategory.
		ium: 0.2 mg/L
		nium: 8.9 mg/L
		er: 4.9 mg/L
	Nicke	l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, of above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
	_	
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Wilson 2079
Prof # 2079



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2079

Generator: Wilson Address: 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: Phosphoric acid TCEQ Waste Code #: Product

Container Type:

1 gallon in a 5 gallon bucket

Detailed Description of Process Generating Waste:

Unused phosphoric acid (damaged container)

Color: clear

Odor: none

pH: .5-1.5

Physical State:

Incompatibilities: bases, oxidizers Safety Related Data/Special Handling:

level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information				
Company:	Wilson				
Address:	1302 Conti				
City, State, Zip:	Houston, TX 7700)2			
Contact:	Jesse Lopez		Title:	HSE Mgr.	
Phone No:	713-237-3700		Fax No:	713-237-342	2
24/hr Phone:	CES-713-417-573	7	- All Malana		
U.S. EPA I.D. No:	TXD981913817			. هم . س <u>.</u>	
State LD.	74212		SIC Code:	_5085	2
SECTION 2: Billing	Information – 🛛 S	Same as Above			
Company:					
Address:					
City, State, Zip:			***************************************		
Contact:		Title:			
Phone No:		Fax No:			
SECTION 3: Gener	al Description of the	e Waste			
Name of Waste: Pho Detailed Description		nng Waste: <u>Unused phosp</u>	horic <u>acid (Dama</u>	ged Container)	
Physical State:	□ Liquid □ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combinatio	n	
Color: clear	•	dor: none	4. 4.		
Specific Gravity (was	ter=1): <u>1.2</u>	Density: 9 lbs/gal		•	
Layers:	⊠ Single-phase	Multi-phase			
Container Type: Container Size:	Drum	Tote	Truck		ther (explain) gailon in a 5 gailon bucker
Frequency: Number of Units (con		Monthly Other:	Quarterly	× Y	early
Texas State Waste C	ode No: NA	A-Product			
Proper U.S. DOT Sh	ipping Name:	Corrosive liquid, ac	idic, inorganic, n.	o.s., 8, UN3264	, PG-II
Class: 8	UN/N	A: UN 3264	PG: II		RQ: NA
			·		T
Flash Point	pH	Reactive Sulfides	Reactive C	lyanides	Solids
>140	<u>.5-1.5</u>	<u>Omg/l</u>	0mg/l		0%
Oil&Grease	TOC	Zinc	Copper	Nicke	
<1500mg/l	<1500mg/l	<u>0</u> mg/l	<u>0</u> mg/l	<u>0</u> mg/l	·

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Phosphoric acid	100	%
	·	
SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective ed	minment, ulease explain	
Level C	impinent preuse explain.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this form \underline{MSDS}	as part of the waste approval packa	ge.
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any): basis, oxidizers		
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, listed b generator knowledge:	elow, WAS NOT PERFORMED base	ed upon the following
TCLP Metals: X TCLP Volatiles: X		
TCLP Semi-Volatiles: \underline{X} Reactivity: \underline{X}		
Corrosivity: $\frac{X}{X}$		
TCLP Semi-Volatiles: X Reactivity: X Corrosivity: X Ignitability: X		
SECTION 9: Generator's Certification		
The information contained herein is based on generator knowledge attached description is complete and accurate to the best of my known omissions of composition properties exist and that all known or suspented are representative of all materials described by this document.	wledge and ability to determine that	no deliberate or willfu
1000	Date: 02/19/6	: HT
Authorized Signature:	Date: <u>UU</u> / //0	· · /

Printed Name/Title: Lyra R Black	ishear -	Environmental Coordinator
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Rebban Riby	d_ i	Additional Information:
Date: 3-1-07 Approval Number: 2079 Approval Number: 2079	Rejected _	PRODUCT

	SECTION 10: Waste Receipt Classification Under 40 CFR 437
	Is this material a wastewater or wastewater sludge? YES NO
	If 'Yes', complete this section.
	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Ī	<u>1etals Subcategory</u> : Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
\underline{c}	ils Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
0	rganics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations
F	Tank alaan aut from awania nan natralaun sauras

(1)	ii ine	waste contains off and grease at of in excess of 100 mg/L, the waste should be classified in the ons subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exces values listed below, the waste should be classified in the metals subcategory.
	Chror Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L 1: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Material Safety Data Sheet

24 Hour Assistance: 1-847-367-7700 Rust-Oleum Corp. www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name:

Clean & Etch Solution

Revision Date: 11/09/2006

Identification

F0108402

Number:

Product Use/Class: Cleaning & Etching Solution

Supplier:

Rust-Oleum Corporation

11 Hawthorn Parkway

Vernon Hills, IL 60061

USA

Preparer:

Regulatory Department

Manufacturer:

Rust-Oleum Corporation

11 Hawthorn Parkway

Vernon Hills, IL 60061

USA

Section 2 - Composition / Information On Ingredients

Chemical Name

7664 - 38-2

CAS Number Weight % Less Than ACGIH TLV-TWA

ACGIH TLV-STEL OSHA PEL-TWA

OSHA PEL-CEILING

Phosphoric Acid

30.0

1 MG/M^3

3 MG/M³

1 MG/M/3

N.F.

Section 3 - Hazards Identification

*** Emergency Overview ***: Use ventilation necessary to keep exposures below recommended exposure limits, if

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Low hazard for usual industrial handling or commercial handling by trained personnel. Substance may cause slight skin irritation. Contact causes severe skin irritation and possible burns.

Effects Of Overexposure - Inhalation: No Information.

Effects Of Overexposure - Ingestion: Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: No Information.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: No Information.

First Aid - Ingestion: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

Section 5 - Fire Fighting Measures

Flash Point: 212 F (Setaflash)

LOWER EXPLOSIVE LIMIT: N.A. % UPPER EXPLOSIVE LIMIT: N.A. %

Extinguishing Media: Dry Chemical, Foam

Unusual Fire And Explosion Hazards: No Information.

Special Firefighting Procedures: No Information.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: No Information.

Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep away from heat, sparks, flame and sources of ignition.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Use gloves to prevent prolonged skin contact.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:

212 - 316 F

Vapor Density: Odor Threshold: Heavier than air

Odor:

Not Applicable

Appearance:

Liquid

Evaporation Rate:

ND

Solubility in H2O:

Soluble

Specific Gravity:

1.1370

Slower than Ether

Freeze Point: Vapor Pressure: ND

PH:

NE

Physical State:

Liquid

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: No Information.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: No Information.

Stability: No Information.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

Chemical Name Phosphoric Acid

LD50

LC50

RAT 4400MG/KG

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:

Corrosive Liquid NOS (30%

Packing Group:

Ш

DOT Technical Name:

Phosphoric Acid

Hazard Subclass:

DOT Hazard Class:

8

Resp. Guide Page:

154

DOT UN/NA Number:

UN1760

EPAHO105000758

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>

CAS Number 7664-38-2

Phosphoric Acid

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None known

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical NameCAS NumberWater7732-18-5POLYDIMETHYLSILOXANE AND AND 1 WT.% AMORPHOUS SILICA63148-62-9

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical NameCAS NumberWater7732-18-5

California Proposition 65:

These products contain no known chemicals known by the State of California to cause cancer.

These products contain no known chemicals known by the State of California to cause birth defects or other reproductive harm.

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16

headings.

CANADIAN WHMIS CLASS: D2B

Section 16 - Other Information

HMIS Ratings:

Health: 1

Flammability: 1

Reactivity: 1

Personal Protection: X

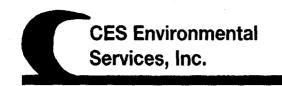
VOLATILE ORGANIC COMPOUNDS, g/l: N.A.

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

South Coast Terminals 2080 Profit 2080



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Marcus

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2080

Generator: South Coast Terminals (East Ave S)

Address: 9317 East Avenue S

Houston, TX 77012

Waste Information

Name of Waste: WFE-B-Feed TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Butanols - alcohols and acid mixtures

Color: dark

Odor: sharp, pungent

pH: 2-3

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

Company: Address: 337 Ench Ne S City, State, Zip: Contact: DACYLE ROC Title: Phone No: 13 - 926 7451 Fax: 24 / HR Phone: U.S EPA ID No: 32547 SIC Code SECTION 2: Billing Information Company: Sate I.D: SECTION 2: Billing Information Company: South Coast terminal Address: Gity, State, Zip: Contact: DACYLE ROC Title: Phone No: Phone No: SECTION 3: General Description of the Waste Name of Waste: WEE-B-Feed Rudon B- Alcohols and Arid Mirrium Physical State: Aliquid Sludge Powder Solid Filter Cake Combination Color: Specific Gravity (Water=1): AP (Hz2=1, O 37, Z Density: Bingle-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Texas State Waste Code No: Proper U.S.		or Information	- (· · · · · · · · · · · · · · · · · · ·	*
Address: City, State, Zip: Phone No: 24 / HR Phone: U.S. EPA I.D. No: State I.D: 37.54 SIC Code SECTION 2: Billing Information Company: State I.D: STATE ADE Company: Social Phone Sic Code SECTION 3: Billing Information Contact: DATHE POC Title: Phone No: The Ph	Company :	South Car	tet Termin	als East	AUE S
Contact: Phone No: 24 / HR Phone: US EPA LD No: SECTION 2: Billing Information Company: Address: City, State, Zip: Contact: Phone No: Phone No: SECTION 3: General Description of the Waste Name of Waste: WFE-B-Feed (Butance - Alconols and Arist Mireture) Physical State: Solid Filter Cake Combination Color:	Address :	9317 EAST			
Phone No: 24 I HR Phone: U.S EPA I.D No: State I.D I: 325				012	
24/HR Phone: U.S EPALD No: The Part of State I.D: SECTION 2: Billing Information Company: South Coast Terminals Address: Part Fast Are S City, State, Zip: Contact: Part Fax: SECTION 3: General Description of the Waste Name of Waste: WFE-B-Feed (Butanus - Alcohols and Arid Wireture) Physical State: Liquid Sludge Powder Solid Filter Cake Combination Color: Art Liquid Sludge Powder Solid Filter Cake Combination Color: Specific Gravity (Water=1): API (H2D=1, O 39.2) Density: 8.324 bbs/gal Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Security Waste Code No: Proper U.S. State	Contact:				
U.S. EPA I.D No: 3254 SIC Code SECTION 2: Billing Information Company: South Coast terminal Address: 981 FMS Ave Solid City, State, Zip: 1025 TX Contact: Paryle Poc Title: Phone No: 73 925 TX SECTION 3: General Description of the Waste Name of Waste: WFE B Feed (Rutanu & Alcohols and Acid Mirellum) Physical State: Solid Filter Cake Combination Color: Park Liquid Solidge Powder Solid Filter Cake Combination Color: Park Liquid Odor: Sharp Powder Specific Gravity (Water=1): AP (H2D=1, 0 39, 2) Density: 8, 324 lbs/gal Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: State Waste Code No: Proper U.S. State Waste Code	_	713- 926	- 7451 F	ax :	
SECTION 2: Billing Information Company: Address: Section 2: Billing Information Company: Address: Section 3: State, Zip: Contact: Phone No: Section 3: General Description of the Waste Name of Waste: WFE-B-FEED (Butancis - Alcohols and Acid Windland) Physical State: Solid Filter Cake Combination Color: Specific Gravity (Water=1): Specific Gravity (Water=1): API (HzD=1, Dw 39, z) Density: Single-Phas Multi-Phase Container Type: Container Type: Texas State Waste Code No: Proper U.S. State Waste Code No: Proper U.S. State Waste Code No: Flash Point Flash Point PH Reactive Sulfides Reactive Cyanides Solids mg/l Multi-Phase Reactive Cyanides Solids Reactive Cyanides Solids mg/l Multi-Phase Reactive Cyanides Solids Reactive Cyanides Solids mg/l Multi-Phase Reactive Sulfides Reactive Cyanides Solids	_				
SECTION 2: Billing Information Company: Address: 980 FMST AVES City, State, Zip: Contact: Phone No: NS-926 746 Fax: SECTION 3: General Description of the Waste Name of Waste: WFE-6-Feed (Butance - Alcohols and Acid mireture) Physical State: Solid Filter Cake Combination Color: Specific Gravity (Water=1): AP (HzO=1, O 39.2) Density: Bisgle-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Texas State Waste Code No: Proper U.S. Stat					
Company: Address: City, State, Zip: Contact: DATHE POC Title: Phone No: SECTION 3: General Description of the Waste Name of Waste: WFE-B-FEED (BLACK - ALCONCIS and ACID MINITUME) Physical State: Solid Filter Cake Combination Color: AND Liquid Odor: Specific Gravity (Water=1): AP (H2D=1, 0 & 39.2) Density: Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Texas State Waste Code No: Proper U.S.	State I.D :	32541	SI	C Code	
Company: Address: City, State, Zip: Contact: DATHE POC Title: Phone No: SECTION 3: General Description of the Waste Name of Waste: WFE-B-Feed Budge Powder Solid Filter Cake Combination Color:	SECTION 2: Billing In	formation			
Address: City, State, Zip: Contact: DATULE POC Title: Phone No: SECTION 3: General Description of the Waste Name of Waste: WFE-B-Feed (Butanck - Alcohols and Add Mireture) Physical State: Solid Filter Cake Combination Color: Specific Gravity (Water=1): API (HzD=1,0 & 39,z) Density: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Texas State Waste Code No: Proper U.S. St			inet Trans	. (•	
City, State, Zip: Contact: Phone No: SECTION 3: General Description of the Waste Name of Waste: WFE-B-Feed (Butancts - Alcohols and Acid Mireture) Physical State: Solid Filter Cake Combination Color: Specific Gravity (Water=1): AP CH20=1,0 239.2 Density: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Texas State Waste Code No: Proper U.S. State Waste Code No: Pr	· · · -	_	ί ', 'Ο'	213	
Contact: Phone No: SECTION 3: General Description of the Waste Name of Waste: WFE-B-Fred Court Section Section of the Waste Physical State: Solid Filter Cake Combination Color: Specific Gravity (Water=1): AP CH20=10 @ 39.2 Density: Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Texas State Waste Code No: Proper U.S. State Waste Code No: Flash Point PH Reactive Sulfides Reactive Cyanides Solids Table Truck Reactive Cyanides Reactive Cyanides Solids Multi-Phase Class: Class: Class: Class: Reactive Cyanides Solids Many 			17-		
Phone No: SECTION 3: General Description of the Waste Name of Waste: WFE-B-Fred (Butanc's - Alcohols and Adid mirrounce Physical State: Solid Filter Cake Combination Color: Fart Liquid Odor: Strap, Puncend Ender Specific Gravity (Water=1): AP (HzD=1,0@39.2) Density: 8.3 Ll lbs/gal Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number of Units: Texas State Waste Code No: Farm Liquid Ender Class: 3 UN/NA: 193 PG: RQ: Flash Point pH Reactive Sulfides Reactive Cyanides Solids LT 73 FF A 23-3 Margin Mg/l Mg/l Mg/l W/h			ROCTI		
Name of Waste: WFE-B-FEED (BUTANCS - ALCONOS and ACID MINITUMS Physical State: Liquid Studge Powder Solid Filter Cake Combination Color: Sharp, puncered cross Specific Gravity (Water=1): AP (HzO=1,0039.2) Density: 8.32 Ibs/gal Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: State Waste Code No: Proper U.S. State Waste Code No: Annual State Waste Code No: Flammable Liquids No. State Waste Code No: Flammable Liquids No. State Reactive Cyanides Flash Point Ph Reactive Sulfides Reactive Cyanides Solids LT 73'F AP3-3 Name of State Waste Cyanides Solids The Reactive Sulfides Reactive Cyanides Solids The Reactive Sulfides Reactive Cyanides Solids	Phone No:	0.44		ıx :	
Physical State: Liquid Sludge Powder Color: Shaw, Purice of Erect Specific Gravity (Water=1): AP (HzD=1,0 @ 39.2) Density: Single-Phas Multi-Phase Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Sway Powder Flash Point Proper U.S. State Waste Code No: Flash Point Proper U.S. Specific Gravity (Water=1): AP (HzD=1,0 @ 39.2) Density: Shaw, Purice of Erect Ibs/gal	SECTION 3: General D	Description of the Waste			
Physical State: Liquid Sludge Powder Color: Shaw, Puricend Exer Specific Gravity (Water=1): AP (H2D=1,0 @ 39.2) Density: 813 Ll Ibs/gal Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Swamp Powder Single-Phas Multi-Phase Container Size: Swamp Container Siz	Name of Waste: V	VFE-B-Feed (Butanols - ALCO	hols and A	oid mireture
Color: Color: Color: Color: Specific Gravity (Water=1): AP (HzD=1,0 @ 39.2) Density: Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Texas State Waste Code No: Proper U.S. State Waste Code No: Flash Point Flash Point PH Reactive Sulfides Reactive Cyanides Reactive Cyanides Solids Multi-Phase Reactive Cyanides Reactive Cyanides Solids Many M					
Color: Specific Gravity (Water=1): AP (HzO=1,0@39.2) Density: Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Texas State Waste Code No: Proper U.S. State Waste Code No: Proper U.S. State Waste Code No: Flash Point LT 73°F AP3-3 PG: Reactive Cyanides Reactive Cyanides Solids Multi-Phase Reactive Cyanides Reactive Cyanides Solids Multi-Phase Reactive Cyanides Solids Multi-Phase Reactive Cyanides Solids Multi-Phase Reactive Cyanides Solids Multi-Phase Reactive Cyanides Multi-Phase Reactive Cyanides Solids Multi-Phase Reactive Cyanides	Physical State :	X 1:			
Specific Gravity (Water=1): AP (HzO=1,0 @ 39.2 Density: 8.3 L Ibs / gal Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: State Waste Code No: Proper U.S. State Waste Code No: Harmon Description Proper U.S. State Waste Code No: Proper U.S. State Waste Code No: Harmon Description Proper U.S. State Waste Code No:	i ilyolodi otato .	Z Liquia	Sludge Powde	er	
Specific Gravity (Water=1): AP (HzO=1,0 @ 39.2 Density: 8.3 L Ibs / gal Layers: Single-Phas Multi-Phase Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: State Waste Code No: Proper U.S. State Waste Code No: Harmon Description Proper U.S. State Waste Code No: Proper U.S. State Waste Code No: Harmon Description Proper U.S. State Waste Code No:	, nyoloai otato .				
Container Type: Drum Tote Truck Other (explain) Container Size: Number Of Units: Texas State Waste Code No: Proper U.S. State Waste Code No: Class: 3 UN/NA: 193 PG: RQ: Flash Point pH Reactive Sulfides Reactive Cyanides Solids LT 73°F AP 2-3 Name of Units: Reactive Sulfides Reactive Cyanides Solids AP 2-3 Name of Units: Reactive Sulfides Reactive Cyanides Solids AP 2-3 Name of Units: Truck Other (explain) Other (explain) Reactive Sulfides Reactive Cyanides Solids AP 2-3 Name of Units: Reactive Sulfides Reactive Cyanides Manual		Solid	Filter Cake Comb	ination	ancend order
Container Size: Number Of Units: Texas State Waste Code No: Proper U.S. State Waste Code No: LT 73°F AP 2-3 POOCAN SOCOAN Reactive Sulfides Reactive Cyanides Reactive Cyanides Reactive Cyanides March	Color:	solid Fark Liquid;	Filter Cake	ination <u>Shayp, P</u>	angend ender
Number Of Units: Texas State Waste Code No: Proper U.S. State Waste Code No: Flash Point LT 73'F AP 2-3 PRODUCT Reactive Sulfides Reactive Cyanides March 1993 PG: Reactive Cyanides March 1993 PG: Reactive Cyanides March 1993 PG: Color : Specific Gravity (Wa	Solid Part Liquid; ater=1): AP CHZO=	Filter Cake © Comb Odor:	ination <u>Shayp, P</u>	angend ender	
Number Of Units: Texas State Waste Code No: Proper U.S. State Waste Code No: Flash Point LT 73'F AP 2-3 PROSE Reactive Sulfides Reactive Cyanides March M	Color : Specific Gravity (Wa Layers :	Solid Fant Liquid; ater=1): AP (HzO= Single-Phas	Filter Cake Odor: Odor: Odor: Multi-Phase Truck	sharp, A	angend ender
Proper U.S. State Waste Code No: Thumble Inquide No.5 (Bulance) Class: 3 UN/NA: 1993 PG: RQ: Flash Point pH Reactive Sulfides Reactive Cyanides Solids LT 73°F AP 2-3 WA mg/l WA mg/l WA %	Color: Specific Gravity (Wattagers: Container Type:	Solid Fant Liquid; ater=1): AP (HzO= Single-Phas	Filter Cake Odor: Odor: Odor: Multi-Phase Truck	shaw , A 8,31	angend sider lbs/gal
Proper U.S. State Waste Code No: Thumble Inquide No.5 (Butanels) Class: 3 UN/NA: 1993 PG: 1 RQ: Flash Point pH Reactive Sulfides Reactive Cyanides Solids LT 73°F AP 3-3 WA mg/l WA mg/l WA mg/l %	Color: Specific Gravity (Wattayers: Container Type:	Solid FANT Liquid; ater=1): AP (HzO= Single-Phas Drum Tote	Filter Cake Odor: Odor: Odor: Odor: Multi-Phase Truck Odor: Odor	shaw , A 8,31	angend order bs/gal
Class: 3 UN/NA: 1993 PG: 11 RQ:	Color: Specific Gravity (Water Layers: Container Type: Container Size: Number Of Units:	Solid FANT Liquid; ater=1): AP (HzO= Single-Phas Drum Tote	Filter Cake Odor: Odor: Odor: Odor: Multi-Phase Truck Odor: Odor	shaw , A 8,31	ancend cider lbs/gal
LT 73°F AP 2-3 W/A mg/l W/A mg/l W/A %	Color: Specific Gravity (Wattagers: Container Type: Container Size: Number Of Units: Texas State Waste Container	Solid FANT Liquid; ater=1): AP (HzO= Single-Phas Drum Tote Code No:	Filter Cake Odor: Odor: Odor: Odor: Nulti-Phase Truck Odor: Odor	ther (explain)	angend ender I lbs/gal Butanols)
	Color: Specific Gravity (Wattayers: Container Type: Container Size: Number Of Units: Texas State Waste Container U.S. State Waste	Solid PART Liquid; ater=1): AP CH2O= Single-Phas Drum Tote Code No: aste Code No: FAM	Filter Cake Odor: Odo	ther (explain)	Bulanol>)
Oil and Grease TOC Zinc Copper Nickel	Color: Specific Gravity (Water Layers: Container Type: Container Size: Number Of Units: Texas State Waste (Proper U.S. State W	Solid FANT Liquid; ater=1): AP (Hz0= Single-Phas Drum Tote Code No: aste Code No: UN/NA:	Filter Cake Odor: 1,0039,2 Density: Multi-Phase Truck Odor: 1,0039,2 Density: Multi-Phase Proceda Proc	ther (explain)	But Anoly) RQ:
	Color: Specific Gravity (Water Layers: Container Type: Container Size: Number Of Units: Texas State Waste (Proper U.S. State W	Solid FANT Liquid; ater=1): AP (Hz0= Single-Phas Drum Tote Code No: aste Code No: UN/NA:	Filter Cake Odor: Odor: Odor: Nulti-Phase Truck Odor: PG: Reactive Sulfides	ther (explain) Reactive Cyanides	Bulanols) RQ:

Balling Point GT 1789	
Engelow Pelon 14 27 OF	
PH AP 2 to 3	
PH AP 2 TO 5	
s	
SECTION 5: Safety Related Data	
If the handling of this waste requires the use of special protective equipment,	please explain.
Flammable Liquid moderately por	motion musicul violan
Flammable Liquid, moderately recommand policies than would pased m	roberate in Sociation
SECTION 6: Attached Supporting Documents	
List all documents, notes, data, and/or analysis attached to this form as part o	f the waste approval package.
see MODA PODDOND-1-DONA-AE	
SECTION 7: Incompatibilities	
Please list all incompatibilities (if any):	
Please list all incompatibilities (if any): Low Level of melow of will dut	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, listed below, WAS	NOT DEPENDED based upon the
following generators knowledge	NOT PERIORMED based upon the
TCLP Metals:	
TCLP Volatilies: 1/	
TCLP Semi-Volatiles :	
Reactivity: $\sqrt{}$	
Corrosivity:	
Ignitability: ,	
SECTION 9: Generator's Certification	W
The information contained herein is based on generator knowledge and/or above and attached description is complete and accurate to the best of my knowledge and accurate or willful omissions of composition properties exist and that all knowledge and/or composition properties exist and the composition properties exist and that all knowledge and/or composition properties exist and the	
Authorized Signature :	Date :
Printed Name / Title :	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info:
Compliance Officer: Leshaudhynd	
Date: 3-1-07 Status: Approved Rejected	Recommended Treatment:
	_
Approval Number: 2080	REC
	j

SECTION 4: Physical and Chemical Data

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 437
ls this	material a wastewater or wastewater sludge ? YES NO
If 'YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matals	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
O!!- 0	wheets were Cultural D
	ubcategory: Subpart B Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
_	
	ics Subcategory Subpart C Landfill leachate
_	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
_	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

MATERIAL SAFETY DATA SHEET

461161 PC 2680

WFE-B FEED

MSDS No P000040-1-OSHA-AE Var. No 4 Var. Date DEC 7 98



Lyondell Chemical Worldwide, Inc. One Houston Center 1221 McKinney Street Houston, TX 77101

IMPORTANT: Read this MSDS before hand

		1. G	ienerzi			
Trade Name	WFE-8 FEED			Telephone Numbers: EMERGENCY		
Other Company Names	None			(800) 424-9300 CHEMTREC (610) 353-8300 LYONDELL CUSTOMER SERVICE		
Synonyms	None			(800) 321-70		INFO ONLY
Other Industry Name	s None					
Chemical Family	Mixture of alcoho	ls and acids				
Generic Name	Mixture of alcoho	s and acids				
DOT Hazardous Mate Flammable Liquid, N.(erial Proper Shipping D.S. (Butanois)	Name		· .		
DOT Hazard Class 3 (flammable liquid)		DOT Packing Group II DOT Reportable Quantity (Based on Material) Not applicable		UN/NA ID No. UN 1993		
CAS No. (See Section	on 9 - Components)	Company Material ID BE1	144		MSDS	Class P
		2. Summary	of Hazards			
ignal Word	DANGER				account of the first of	
•		. P. C. C.				
Physical Hazards	Extremely flammable liquid Moderately reactive May release flammable gases					
scute Health Effects Short-Term)	Moderate inhalation hazard Severe eye irritant Slight ingestion hazard Severe skin irritant Slight skin absorption hazard					
hronic Health ffects (Long-Term)	Damages liver and kidney May be an anima! carcinogen					
		3. Fire and E	xplosion			
ash Point 73°F (TCC)		Autoignition Temperature AP 892*F (based on T-butyl alcohol)		Flammable Limits (at Normal Atmospheric Temp and Pressure) Lower: AP 2.4 (% vol in air) Upper: AP 8 (% vol in air) (based on T-butyl alcohol)		
e and Explosion zards	Releases flammable vapors below normal ambient temperatures. Exposed to ignition source, vapors can burn in open/explode if confined. Vapors may be heavier than air, May travel long distances along the ground before igniting and flashing back to vapor source. Heat/contamination can release extremely flammable isobutylene gas. Metal corrosion may generate flammable hydrogen gas.					
tinguishing Media	Alcohol type foam CO ₂ Dry chemical Water spray					:

SEQ:1

Lyondell Chemical Worldwide, Inc. is a wholly owned subsidiary of Lyondell Chemical Company

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WFE-B FEED

MSDS No P000040-1-0SHA-AE Ver. No 4 Ver. Date DEC 7 98

3. Fire and Explosion (Cont'd)

Extinguishing Media Use Comment	No additional information available		
Special Firefighting Procedures	pressure to rupture closed containers frothing/steam explosion. Burning liqu	protection. Fight fire from a safe distance/protected location, s/spreading fire/increasing risk of burns/injuries. Use water spluid may float on water. Although water soluble, may not be promediately if liquid actions sewer/public waters.	av/tog for cooling. Avoi
	4.	Health Hazarda	
Summary of Acute Hazards	High health hazard		
ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	Constitution of the Consti	PRIMARY ROUTE(S)
Inhalation	Overexposure may cause coughing, s	shortness of breath: dizziness, intoxication and collapse.	Yes
Eye Contact	May cause severe eye irritation.		Yes
Skin Absorption	Extensive/prolonged or repeated expo	osure to this material can result in significant absorption.	No
Skin Irritation	May cause immediate skin irritation ar	nd blistering.	Yes
ngestion	This material may be a slight health ha	azard if ingested in large quantities.	No
Summary of Chronic lazards	Repeated or prolonged exposure to the This material may be an animal carcine (See additional Toxicology information		
pecial Health Effects	No additional medical information foun	id.	
	5. Protective Equip	oment and Other Control Measures	
espiratory	Occupational Safety and Health (NIOS respirator operated in a positive pressu	exposure Limit (PEL)/Threshold Limit Value (TLV), use only U.S. H)/U.S. Mine Safety and Health Administration (MSHA) approunce mode as specified in the National Institute for Occupational Ith Administration (OSHA) 1981 Occupational Health Guideline	ved supplied air Safety and Health
/6		splash goggles and face shield, must be worn when possibilit d. airborne particles, or vapor. Contact lenses must not be worn	
d in	Impervious protective suit with integral of equipment must be cleaned thoroughly	or tight-fitting gloves, boots, and full head and face protection a after each use.	must be worn. The
gineering Controls	Local exhaust in addition to general room	m ventilation may be required to meet exposure limit(s).	
		m ventilation may be required to meet exposure limit(s). iety showers should be available in the immediate vicinity of an	y potential exposure.



MSDS No P000040-1-OSHA-AE Ver. No 4 Ver. Date DEC 7 98

Substance		Source Date	Type	Value/Units	Time	S
Tert-Butyl Alcohol	Francisco Company	ACGIH 1995	TWA	100 ppm -	8 HRS	N
		OSHA 1989	TWA	100 ppm	8 HRS	N
	1	OSHA 1989	STEL	150 ppm	15 MIN	N
Acetic Acid	E. Sarana Sarana					
	ing of community to the community of th	ACGIH 1976	TWA	10 ppm	8 HRS	N
	Mark Control	ACGIH 1976	STEL	15 ppm	15 MIN	N
		OSHA 1971	. TWA	10 ppm	8 HRS	N
sobutyl Acetate		A 0 0 11 1 4 0 5 D	70.44			
		ACGIH 1992	TWA	150 ppm	8 HRS	N
nahimil Alaabal		OSHA 1989	TWA	150 ppm :	8 HRS	N
sobutyl Alcohol	• • •	ACGIH 1992	TWA	50 ppm	s.unc	
	. .	OSHA 1989	TWA		8 HRS	No
ec-Butyl Alcohol		00110 1305	1 4 1/2	ao ppili	·8 HRS	No
	news.	ACGIH 1992	TWA	100 ppm	& HRS	No
	n ·	OSHA 1989	TWA		8 HRS	Nic
ropionic Acid		2212119			- · · · · · · · · · · · · · · · · · · ·	
•		ACGIH 1990	TWA	10 ppm	8 HRS	No
	. "	OSHA 1989	TWA	10 ppm	B HRS	No
ec-Butyl Acetate						
		ACGIH 1992	TWA	200 ppm	8 HRS	No
		OSHA 1989	TWA	200 ppm	8 HRS	No
Butyl Alcohol	<i>,</i> /					
,	•	ACGIH 1992	CEILING	50 ppm		Yes
	•	OSHA 1989	CEILING	50 ppm		Yes
	• • • • • • • • • • • • • • • • • • • •					•
posure Limit mments	No additional Occupational Exposure Lin	nit information available				
	7. Emer	gency and First Ald				
alation	If overcome by exposure, remove victim emergency medical attention. Prompt act		or artificial r	espiration as ne	eded. Obt	zin
Contact	In case of eye contact, immediately rinse medical attention.	with clean water for 20-30 minutes. F	Retract eyelid	ls often. Obtain	emergend	ş
n Contact	Immediately remove contaminated clothin 15 minutes, if sticky, use wateriess clean			r. Flush with luki	warm wa	ter fo
estion	If large quantity swallowed, give lukewarm Obtain emergency medical attention.	water (pint/ 1/2 litre) if victim comple	tely conscio	us/alert. Do not i	induce voi	nitin
sician's ergency Medical etment Procedures	If swallowed, DO NOT INDUCE VOMITIN control of symptoms and the clinical condi- symptoms reappear.					
sician's exification	Airway protection may be necessary. Be p	repared to give oxygen and, if necess	ary, intubate	3.		

Precautions if Material is Spilled or Released

Extremely flammable liquid. Release causes immediate fire/explosion hazard. Liquids/vapors may ignite. Evacuate/limit access. Equip responders with proper protection. Extinguish all ignition sources. Stop release. Prevent flow to sewer/public waters. Restrict water use for cleanup. Notify fire and environmental authorities. Impound/recover large land spill. Blanket with firefighting foam. Soak up small spills with inert solids. Use suitable disposal containers. On water, material is soluble and may float or sink. May biodegrade. Contain/collect rapidly to minimize dispersion. Disperse residue to reduce aquatic harm. Report per regulatory requirements.



WFE-B FEED

MSDS No P000040-1-OSHA-AE Ver. No.4 Ver. Date DEC 7 98

8. Spill and Disposal (Cont'd)

Waste Disposal Methods

SA-Was

att-chr

Contaminated product/soil/water may be U.S. Resource Conservation and Recovery Act (RCRA)/U.S. Occupational Safety and Health Administration (OSHA) hazardous waste due to potentially low flash point. (See 40 U.S. Code of Federal Regulations (CFR) 281 and 29 CFR 1910). Landfill solids at perrakted sites. Use registered transporters. Burn concentrated liquids in systems compatible with water soluble wastes. Avoid flame-outs. Assure emissions comply with applicable regulations. Dilute aqueous waste may biodegrade. Avoid overloading/poisoning plant biomass. Assure effluent complies with applicable regulations. complies with applicable regulations.

9. Components:

This may not be a complete list of components.)

(Compositions given are typical values, not specifications.)

† · in · · · · · · · · · · · · · · · · ·		
Component Name	Composition Amoun	nt (Wt.) Carcinogen ###
Polymeric Material	% AP 43 %	N/P
Test-Butyl Alcohol	75-55-0 AP 12.3 %	N/P
Propylene Glycol	53.55 AP 10.4 %	N/P
Acetic Acid	6415-7 AF 7.8 %	N/P
1-tert-Butoxy-2-Propanol	57078-52-7 AP 4.8 %	N/P
Isobutyric Acid	73/31-2 AP 4.3 %	N/P
Dipropriene Glycol	25255-71-8 AP 3.9 %	N/P
Isobutyl Acetate	750-19-0 AP 2.9 %	N/P
isobatyl Alcohol	AP 2.5 %	N/P
2-tert-Butoxy-1-Propanol	96023-35-1 AP 2.1 %	N/P
Isobutyl Formate	577 55-2 AP 1.7 %	N/P
Sec-Butyl Alcohol	78-32-2 AP 1.6 %	N/P
Propylene Glycol Monoacetate	1334-12-0 AF 1.2 %	N/P
Isobutylene Glycol	558-43-0 AP .8 %	N/P
Propionic Acid	79-09-4 AP .8 %	NP
Sec-Butyl Acetate	105-45-4 AP .7 %	N/P
N-Butyl Alcohol	71.36-3 AP 4 %	N/P
Soluble Metals	AP 4 %	N/P
4 × 20	And the second s	•

###1=U.S. National Toxicological Program 2=International Agency for Research on Cancer 3=U.S. Occupational Health and Safety Administration 4=American Conference of Governmental Industrial Hygienists 9=Other N/P=No Applicable Information Found

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Component	Component Health Hazards	
Tert-Butyl Alcohol	Damages developing fetus	Severe:eye irritant
	Slight skin irritant	CNS depressant
Propylene Glycol	Slight eye irritant	
Acetic Acid	Severe skin irritant	Severe eye irritant
	Mucous membrane irritant	•
1-tert-Butoxy-2-Propanol	Severe eye irritant	
sobutyric Acid	Moderate health hazard	Corrosive to skin
•	Corrosive to eyes	,
Dipropylene Glycol	Slight eye irritant	Slight skin irritant
sobutyl Acetate	Moderate skin irritant	Moderate eye irritant
·	Mucous membrane irritant	CNS depressant
sobutyi Alcohol	Severe eye irritant	Slight skin irritant
sobutyl Formate	No data available	
Sec-Butyl Alcohol	Slight health hazard	Severe eye irritant
•	Mucous membrane irritant	·
ropylene Glycol Monoacetate	No data available	
sobutylene Glycol	No data available	
ropionic Acid	Moderate health hazard	Moderate eye irritant
ec-Butyl Acetate	No data available	
-Butyl Alcohol	Moderate skin irritant	Severe eye irritant
	Mucous membrane irritant	. CNS depressant



MSDS No P000040-1-OSHA-AE Ver. No.4 Ver. Date DEC 7 96

11. Additional Toxicological Information

Component Name/Comments

Tert-Butyl Alcohol

When Tert-Butyl Alcohol (TBA) was incorporated into the liquid diet of pregnant mice at 0.75% and 1.0% there was a dose-related decrease in total litters, pups/litter and fetal weight accompanying an increase in the total number of pups born dead and the number of litters with stillborn pups, A dietary level of 0.5% TBA did not produce these effects. Postnatal development of newborn mice was reported to be delayed. (J PHARMACOL and EXP THERAP, 222(2): 294-300, 1982). This study indicates that very large doses of TBA can adversely affect the fetus, but only at maternally toxic doses in experimental animals. These effects have not been reported in humans and their significance (if any) for human health is unknown. In contrast to dietary incorporation studies, high level vapor exposures of animals to TBA did not cause any adverse effects on development

Workers at the U.S. National Institute for Occupational Safety and Health (NIOSH) measured the potential of TBA (>99% purity) to damage the developing rat fetus (Fundamental and Applied Toxicology 12:469-479, 1989). No birth defects or other adverse effects of TBA on the developing fetus were found.

In 1992, Lindamood et al. (Fundamental and Applied Toxicology 19:91-100,1992) reported that incorporation of up to 4% TBA (>99%) in the drinking water of rats and mice for 3 months caused damage to the kidney and unnary bladder.

ARCO has conducted primary eye irritation studies in rabbits with tertiary-butyl alcohol (TBA). A single dose of 0.1 ml TBA was instilled into the right eye of albino rabbits (6/group) and scored by the Draize method at subsequent time points. Scores indicated moderate to severe eye irritation. Some rabbits had comeal injury 34 days following treatment.

In yet to be published studies, incorporation of percentage levels of TBA into the drinking water of rats and mice for their lifetime was reported to result in a low incidence of kidney tumors in male rats and thyroid tumors in female rats. Because extremely high doses of TBA were used, these results nave little relevance for any anticipated human exposures.

Isobutyl Alcohol

Isobutyl alcohol has been identified as a possible carcinogen in U.S. Registry of Toxic Effects of Chemical Substances (RTECS) and PATTY (1982) pecause of one oral study in rats. Three of 19 rats, treated with 0.2 ml, two times/week for lifetime developed malignant tumors. In a second study, isobutyl Alcohol injected subcutaneously in rats two times/week also induced some malignancies. No studies were located which tested the chronic effects by routes of exposure commonly found in the workplace. No such effects have been reported in humans. The significance of these findings with respect to usual workplace situations is unknown. Isobutyl alcohol has been reported to be a possible carcinogen via subcutaneous injections and oral ingestion. Additionally, it is expected that the aromatic content of Residual Fuel Oil contains polycyclic aromatic hydrocarbons which are skin carcinogens.

Propylene Glycol

High concentrations of Propylene Glycol in water when held in contact with human skin under closed conditions have been reported to cause skin irritation (Cosmetics and Toiletnes 99:83-91,1984). The authors attribute the observations to a sweat retention reaction by skin. No reactions were observed in open patch tests with human subjects. One literature report indicates rare eczematous skin reactions and even more rarely an allergic skin reaction from exposure to Propylene Glycol (Anderson and Starr, Hautzart 33 (1) 1982).

Material

No additional toxicology information is available for this material.

		12. Physical and Chen	nical Data						
Boiling Point GT 178°F	3	Viscosity No Data Available	Dry Point GT 464°F						
Freezing Point LT 32°F		Vapor Pressure LT 3.4 REIDVP (at 100°F)	Volatile Characteristics Appreciable						
Specific Gravity AP 1 (H ₂ O = 1.0 at 39.2	*F)	Vapor Specific Gravity GT 2 (Air ≈ 1.0 at 16-32°C)	Solubility in Water Appreciable (10 Percent or more)						
pH AP 2 to 3 ^ .		Hazardous Polymerization Not expected to occur	Stability Stable						
Other Chemical Reactivity	No additional infor	nation available							
Other Physical and No additional information available Chemical Properties									
Appearance and Odor	Dark: Liquid: Shar	p, pungent odor							
Conditions to Avoid	At elevated temperatures, releases highly lacrimatory vapors (causes eyes to tear); Heat, sparks, open flame, other ignition sources, exidizing conditions, elevated temperature with dehydrating conditions								

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12. Physical and Chemical Data (Cont'd)

Materials to Avoid	Dehydrating agents. Moisture and humidity, Strong acids, Strong oxidizing agents
Hazardous	A low level of metal oxide dust
Decomposition	Incomplete combustion may produce carbon monoxide, other toxic gases, and flammable isobutylene
Products	The state of the s

13. Hazards Rating information

National Fire Protection Association

No hazards rating information is available for this system

National Paint and Coatings Association

Hazardous Material Information System (HMIS)

No hazards rating information is available for this system

14. Additional Precentions

Handling and Storage Procedures

Store in tightly closed/property vented containers away from heat, sparks, open flame and strong oxidizing-strong dehydrating agents. Prevent contact with moisture to minimize corrosion. Stainless steel preferred for storage. Highly corrosive at elevated temperature. Store closed drums with bung in up position, Carefully vent any internal pressure before removing closure. Containers must be properly grounded before beginning transfer, All equipment must conform to applicable electrical code. Handle empty containers with care; vapor residue may be flammable/explosive. Vapor space above stored liquid may be flammable/explosive unless blanketed with inert gas.

Decontamination Procedures

No applicable information available.



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15. Regulatory Information

Federal

Toxic Substance Control Act (TSCA)

The following is the Toxic Substances Control Act (TSCA) Chemical Substance Inventory Status of the components of this material listed in Section 9 - Components:

	CHEMICAL	CAS NO.	STATUS
	Tert-Butyl Alcohol	75-65-0	Listed - Non Confidential
	Propylene Giycol	57-55-6	Listed - Non Confidential
	Acetic Acid	64- 19-7	Listed - Non Confidential
	1-tert-Butoxy-2-Propanol	57016-52-7	Listed - Non Confidential
	Isobutyric Acid	79-31-2	Listed - Non Confidential
	Dipropylene Glycol	25265-71-8	Listed - Non Confidential
	Isobutyi Acetate	110-19-0	Listed - Non Confidential
	Isobutyi Alcohol	78-83-1	Listed - Non Confidential
ļ	2-tert-Butoxy-1-Propanol	94023-15-1	Not Listed - See Notes
l	Isobutyl Formate	542-55-2	Listed - Non Confidential
j	Sec-Butyl Aicohol	78-92-2	Listed - Non Confidential
ļ	Propylene Glycol Monoacetate	1331-12-0	Listed - Non Confidential
l	Isobutylene Glycol	556-43-0	Not Listed - See Notes
	Propionic Acid	7 9-05-4	Listed - Non Confidential
	Sec-Butyl Acetate	105-46-4	Listed - Non Confidential
	N-Butyl Alcohol	71-36-3	Listed - Non Confidential
	A.C.		

This product is by definition a TSCA "byproduct" containing components which are not known to be on the TSCA inventory. Commercial uses are limited. See 40 CFR Section 720.30(h)(2) for further details on exempt uses.

Superfund Amendments and Reauthorization of 1988 (SARA), Title III

-Section 302/304

Requires emergency planning based on Threshold Planning Quantities' (TPQs), and release reporting based on Reportable Quantities (RQs) of Extremely Hazardous Substances' (EHS) listed in Appendix A of 40 CFR 355. There are no components of this material with known CAS numbers which are on the EHS list. The SARA 302/304 regulatory status of the remaining components of this material for which CAS numbers have not been established, has not been determined.

-Section 311 & 312

Based upon available information, this material and/or components are classified as the following health and/or physical hazards according to Section 311 & 312:

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

Fire Hazard

Reactive

-Section 313

This material contains the following chemicals with known CAS numbers subject to the reporting requirements of SARA Title III, Section 313 and 40 CFR 372:

CHEMICAL	CAS NO.
Tert-Butyl Alcohol	75-65-0
Sec-Butyl Alcohol	78-92-2
N-Butyl Alcohol	71-36-3



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15. Regulatory information (Cont'd)

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

This material contains the following chemical(s) with known CAS numbers classified as hazardous substances subject to the reporting requirements of CERCLA (40 CFR 302) and to the release reporting requirements of SARA (Section 302) based on reportable quantities (RQs):

CHEMICAL	CAS NO.	RQ
Acetic Acid	64-19-7	5,000 lbs.
Isobutyric Acid	79-31-2	5,000 lbs.
Isobutyl Acetate	110-19-0	5,000 lbs.
Isobutyl Alcohol	76 -83 -1	5,000 lbs.
Propionic Acid	79-09-4	5,000 lbs.
Sec-Butyl Acetate	105-46-4	5,000 tbs.
N-Butyl Alcohol	71-36-3	5,000 lbs.

OSHA Regulations

The applicability of 'chemical-specific' U.S. Occupational Safety and Health Administration (OSHA) regulations presented under 29 U.S. Code of Federal Regulations (CFR) 1910 to this material and its components has not been determined, as CAS numbers for all components have not been established.

Other EPA Regulations

No additional information available

Department of Transportation (DOT)

Other than the normal shipping instructions and information given in this MSDS, there are no other specific U.S. Department of Transportation (DOT) regulations governing the shipment of this material.

State Regulations:

California Safe Drinking Water and Toxic Enforcement Act of 1988 - Proposition 65

This material is not known to contain any chemicals with known CAS numbers that are currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition. The Proposition 65 regulatory status of the remaining components of this material for which CAS numbers have not been established, has not been determined.

California South Coast Air Quality Management District (SCAQMD) Rule 443.1 (VOC's)

A Volatile Organic Compound (VOC) is any volatile compound of carbon excluding methane, carbon monoxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, 1,1,1-trichloroethane, methylene chloride, (FC-23), (CFC-113), (CFC-12), (CFC-11), (CFC-22), (CFC-114), and (CFC-115). By this definition, this is a VOC material.

Massachusetts Right to Know Substance List (MSL) [105 CMR 670.000]

Hazardous Substances (MSL-HS) on the MSL must be identified when present in materials at levels greater than state specified criterion. The criterion is: >= 1%. Components with CAS numbers present in this material at a level which could require reporting under the statute are:

CHEMICAL		CAS NO.
Isobutyl Acetate		110-19-0
Isobutyl Formate	*	542-55-2
Acetic Acid	•	64- 19-7
Tert-Butyl Alcohol	•	75-65-0
Isobutyl Alcohol		78-83-1
Sec-Butyl Alcohol		78-92-2
Isobutyric Acid		79-31-2

Extraordinarily Hazardous Substances (MSL-EHS) on the MSL must be identified when present in materials at levels greater than state specified criterion. The criterion is >= 0.0001%. Components with CAS numbers present in this material, at levels specified in Section 9 - Components, do not require reporting under the statute.

New Jersey Registration

The New Jersey, Registry 3, Registration law does not apply to this material, as none of its components are trade secrets.



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15. Regulatory Information (Cont'd)

Pennsylvania Right to Know Hazardous Substance List

Hazardous Substances (PA-HS) must be identified when present in materials at levels greater than the state specified criterion. The criterion is >= 1%. Components with CAS numbers in this material at a level which could require reporting under the statute are:

CHEMICAL CAS NO.

 Dipropylene Glycol
 25265-71-8

 Isabutyl Formate
 542-55-2

 Propylene Glycol
 57-55-6

Environmental Hazards (PA-EH) must be identified when present in materials at levels greater than the state specified criterion. The criterion is >= 1%. Components with CAS numbers in this material at a level which could require reporting under the statute are:

CAS NO.
105-46-4
110-19-0
6 4- 19-7
71-36-3
75-65-0
78-83-1
78-92-2
79 - 09-4
7 9 -31-2

Special Hazardous Substances (PA-SHS) must be identified when present in materials at levels greater than the state specified criterion. The criterion is >= 0.01%. Components with CAS numbers present in this material, at levels specified in Section 9 - Components, do not require reporting under the statute.

Regulatory Advisory

If you reformulate or further process this material, you should consider re-evaluation of the regulatory status of the components listed in this sheet.

The regulatory status for the remaining components of this material, for which CAS numbers have not been established, has not been determined.

SEQ:1

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Source	Lyondell Chemic	al Worldwide, Inc.			one Numbers:	
	One Houston Ce				GENCY	
	1221 McKinney S				424-8300 CHEM	
	Houston, TX 7	7101		(, -,	353-8300 LYONE	DELL
					MER SERVICE	
				(800)	321-7000 INFO C	DNLY
Other Company Names	None			Signal \	Word DANGER	
Use Statement		ial use only If reach of children		•		
Physical Hazards			Health Hazarda			
Extremely flammable			Severe sxin imp			
Reactive			Severe eve intra			
May release flammable ga	565		inhalation hazar	_		
			Ingestion hazaro Skin contact haz			
			May cause cano			
			May cause liver		damage	
Precautionary Measures			•	•	•	
Do not handle near heat, s	parks, or open fla	me				
Do not store near combusti						
Avoid contact with eyes, ak						
Avoid prolonged or repeate		ses, vapors, or mists	•			
Jse only with adequate ver	tilation/personal	protection				
Prevent contact with food, o		ng matenais				
Vash thoroughly with soap	and water					
take internally						
eep container tightly close	d when not in use	1				
OT Information: UN	UNA ID No.	DOT Hazard Class	DOT Packing Gr	oup	DOT RQ (Based on M	laterial)
	1993	3 (flammable liquid)	U	-	Not applicable	•
OT Hazardous Material P	roper Shipping	Name Flammable Liquid, N.O.	S. (Butanols)			
omponent Name			CAS No.		tion Amount (Wt.)	RQ
olymenc Material				AP 43	%	Not applicable
art-Butyl Alcohol			75-85-0	AP 12.3	%	Not applicable
opytene Glycol			57-55-8	AP 10.4	%	Not applicable
oetic Acid			84-19-7	AP 7.8	%	5,000 lbs.
tert-Butoxy-2-Propanol			57018-52-7	AP 4.8 AP 4.3	% %	Not applicable
obutync Acid			79-31-2 25265-71-8	AP 4.3 AP 3.8	% %	5,000 lbs.
propylene Glycol			23205-71 -0 110-19-0	AP 2.9	% %	Not applicable 5,000 lbs.
obutyl Acetate			78-83-1	AP 2.5	% %	5,000 tbs.
obutyl Alcohol			94023-15-1	AP 2.1	v.	Not applicable
en-Butoxy-1-Propanol Soutyl Formate			542-55-2	AP 1.7	%	Not applicable
c-Butyl Alcohol			78-82-2	AP 1.6	~	Not applicable
opylene Giycol Monoacetat	•		1331-12-0	AP 1.2	%	Not applicable
outylene Glycol	-		558-43-0	AP .B	%	Not applicable
ppionic Acid			79-09-4	AP .8	%	5,000 tos.
		ohol type foam; CO ₂ : Dry chemic				·
rst Aid: inhalation	attention. Prom	exposure, remove victim to fresh pt action is essential.				Pulsin emergency medic
Eye Contact	•	contact, immediately rinse with cl				
Skin Contact	sticky, use wate	nove contaminated clothing. Was riless cleaner first. Obtain emerge	ency medical attention.			
Ingestion:	medical attention	•				
case of spill:	Extremely flams soak up small s requirements.	nable liquid. Release causes immobili with inert solids. On water, ma	nediate fire/explosion hazard, ny biodegrade. Contain/collect	Extinguish all trapidly to mit	ignition sources. Impou nimize dispersion. Repo	ind/recover large land a et per regulatory
ective Equipment			•			
spiratory		ational Institute for Occupational			sty and Health Administr	etion (MSHA) approve
:	, , , , ,	pirator or supplied air respirator o		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		plash goggles and face shield mu				•
		ctive sult with integral or tight-fitti				



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17. General Comments

General Comments

No additional information available.

Other Comments

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the material itself.

Note Qualifications:

EQ=Equal

AP=Approximately

N/P=No Applicable Information Found

LT=Less Than UK=Unknown GT=Greater Than TR=Trace

N/AP=Not Applicable
N/DA=No Data Available

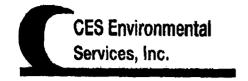
DISCLAIMER OF LIABILITY:

The information in this MSDS was obtained from sources which we believe are reliable. However, the Information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the material are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the material.

This MSDS was prepared and is to be used only for this material. If the material is used as a component in another material, this MSDS information may not be applicable. This document is generated for the purpose of distributing health, safety, and environmental data, it is not a specification sheet nor should any displayed data be construed as a specification. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the material itself.

Print Date 19 December 1998

Document Status APPROVED

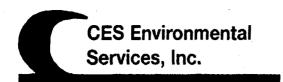
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4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-2080	
Customer:	South Coast Term	ninals (East Ave S)
Waste Generator:	South Coast Term	ninals (East Ave S)
Waste Stream Name:	WFE-B-Feed	\checkmark
Expiration Date:	3/1/2009	
profiles on an annual basis generation process of the a hazardous as per 40 CFR 2 Generator hereby certifies	The purpose of this for forementioned waste street. 61.3. that the components in the same as when issued the critify.	Analysis is NOT required for recertification. The following analysis is required for recertification. TCLP Metals TCLP Volatiles TCLP Semi-volatiles Reactivity Corrosivity Ignitability

Cook Composites 2081



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Larry Slaton

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2081

Generator: Cook Composites **Address:** 2434 Holmes Road

Houston, TX 77051

Waste Information

Name of Waste: Diesel fuel
TCEO Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Removal of old diesel fuel from equipment

removal of old diesel laci from equipment

Color: slight pink/yellow Odor: diesel like

pH: neutral

Physical State:

Incompatibilities: oxidizers

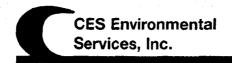
Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

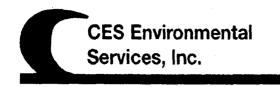
TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information					
Company:	Cook Composite	s and Polymers Compan	у			
Address:	2434 Holmes Ro	ad				
City, State, Zip:	Houston, TX 77	051				
Contact:	Larry Slaton		Title:	Loss Contro	ol Mgr.	
Phone No:	713-799-1800 Ex	xt. 313	Fax No:	713-796-10	77	
24/hr Phone:	CES-713-417-57	37				
U.S. EPA I.D. No:	TXD108999863					
State I.D.	37799		SIC Code:			
						·
SECTION 2: Billin	g Information – 🏻	Same as Above				
Company:		•				
	2434 Holy	nes Road				
City, State, Zip:	Housterin				· · · · · · · · · · · · · · · · · · ·	
Contact:	Larry Sla		1.00 1			
-				endrol h	ger.	
Phone No:	11-3 199 10	100 X 313 Fax N	10: 113 19	uiel	<u>/</u>	
SECTION 3: Gene	ral Description of t	he Waste				
Name of Waste: Die Detailed Description		iting Waste: Removal o	f old diesel fuel from	equipment		
Physical State:	⊠ Liquid	☐ Sludge	Powder			
	☐ Solid	Filter Cake	Combination	n		
Color: Slight Pink/ye	ellow	Odor: <u>Diesel like</u>				
Specific Gravity (wa	ter=1): <u>.90</u>	Density: 8 lbs/gal				
Layers:	Single-phase	Multi-pha	se			
Container Type:	□ Drum	☐ Tote	☐ Truck		Other (explain)	
		rote	L. Iruck	L	other (explain)	
Container Size:	<u>55gal</u>		·	_	<u></u>	
Frequency:	☐ Weekly	☐ Monthly	Quarterly	× N	'early	
Number of Units (co	- ···	Other:				
	/ -					
Texas State Waste C	ode No:	A-Recyclable Material				
Proper U.S. DOT Sh	ipping Name:	Combustible liqu	ıid, n.o.s., Combustil	ole Liquid, NA	1993, PG-III	
Class: Combus	UN/N	NA: NA 1993	PG: III		RQ: NA	
tible						
unie					•	
Liquid						
						
Flash Point	pH	Reactive Sulfides	Reactive C	yanides	Solids	
>140	neutral	Omg/l	<u>0</u> mg/l		< <u>2</u> %	

1

Oil&Grease	TOC	Zinc	Copper	Nickel	
<u>>1500</u> mg/l	<u>>1500</u> mg/i	<u>O</u> mg/l	<u>0</u> mg/l	<u>0</u> mg/l	
SECTION 4: Phy	sical and Chemical I	<u>Data</u>			
	COMPONEN	TS TABLE		Concentration	Units
Th	e waste consists of th	e following materials		Ranges are acceptable	or %
diesel Fuel				30-95	%
Water				5-20	%
dirt/algae			()-2	%
					
		, = 11			
SECTION 5: Safe	ty Related Data				
If the handling of Level D	his waste requires th	e use of special protectiv	ve equipment, į	olease explain.	
	ched Supporting Doc	ruments			
List all documents	, notes, data, and/or a		form as part of	the waste approval packa	nge.
None-Sample evalu	ated by CES QA/QC				
SECTION 7: Inco	mpatibilities		•		
Please list all incon Oxidizers	ipatibilities (if any):				
SECTION 8: Gene	erator's Knowledge I	<u>Documentation</u>			
Laboratory analys generator knowled		aste characteristics, liste	ed below, WAS	NOT PERFORMED base	ed upon the following
TCLP Metals:	<u>X</u>				
TCLP Volatiles:	$\frac{X}{Y}$				
TCLP Semi-Volati Reactivity:	les: $\frac{X}{X}$				
Corrosivity:	<u>X</u> X				
Ignitability:	<u>X</u>				
SECTION 9: Gene	rator's Certification				
attached description omissions of compo	is complete and accision properties exist	urate to the best of my	knowledge and uspected hazard	analytical data. I hereby ce ability to determine that s have been disclosed. I c	no deliberate or willfu
Authorized Signatu	re: Lang Glater C			Date: 31, 12127	
Printed Name/Title	,				
ES USE ONLY (DO N	OT WRITE IN THIS SPA	(CE)	· · · · · · · · · · · · · · · · · · ·		
	Poblem ?	Thaylan	Additional Inf	formation:	
Date: 3-1-07		roved Rejected		REC	
Approval Number:	2081			· •	

3083 CEOK COMPOSITES Prof# 2082



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Larry Slaton

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2082

Generator: Cook Composites **Address:** 2434 Holmes Road

Houston, TX 77051

Waste Information

Name of Waste: Lead acid batteries TCEO Waste Code #: UNIV309H

Container Type:

pallet

Detailed Description of Process Generating Waste:

Spent batteries

Color: various

Odor: none

pH: <1

Physical State:

Incompatibilities: bases

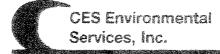
Safety Related Data/Special Handling:

Level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



123

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information					
Company:		s and Polymers Compan	У			
Address:	2434 Holmes Roa	ıd	en e	namental and the desire of the second	delifted his film om generalen en e	A construction of the second s
City, State, Zip:	Houston, TX 770	351	entering the site of the control of		and the state of t	Andrews Control of the Andrews Control of the Contr
Contact:	Larry Staton		Title:	Loss Contro	ol Mgr.	A Commission of the Commission of
Phone No:	713-799-1800 Ex	1.313	Fax No:	713-796-10		and have applying provinces acceptance.
24/hr Phone:	CES-713-417-57.	37	фудуулган жанаш адамиятта	International Physics and Company (1999)	батын жай байган жайт түүдүү кайдуулага жайт байтуу 19.3 үнд тогоо таксан жайга үзүү үүг	
U.S. EPA I.D. No:	TXD108999863	and the state of t	Annual Security (1994) and the security of the			
State I.D.	37799		SIC Code:	Summers and the Property of th		W ^{ee} r Commission and the Commission of the Comm
SECTION 2: Billin	g Information – 🏻	Same as Above	~ .		. 1	
Company: (rak Como		Polymers	Como	rnU	
Address:	2424 HO)	ma Pa		T	e Phonesis de l'annu de la company de l'annu de la	
City, State, Zip:	Houston I	77057	y y gygydd ddin ddiddio, ac ar ar mar y myngaegydd en ar y gygg gael didd o allyn y myr Wyd (1877) y b b b b b		ana pama garan yana nama ya di wana nani na na na na ha katama ya ya na na na na na na ma waka ka na na na na n	ann springer of the first section of the first sect
Contact:	Janua Sta	YOU Title		······································	公司在中心,但他的时候,我们也没有不好的时候,我们就是有一个人,我们就是有一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人	***************************************
Phone No:	12794 14	00 X3/3 Fax?	in: 7/3796	0 107	The section of the se	ana irang pang pang panggaran
4	an fara ang mang mang kanasan faran ana ana an	and the second s	······pafiring	6-men 1911 - 1 men 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1914 - 1	And the state of t	mydellining myngag ago e daabkkanaangse
SECTION 3: Gener	ral Bearrintion of th	re Waste				
	192 Sec. 192 seperation	Zip Fr share a s		•		
Name of Waste: Lea Detailed Description		ting Waste: Spent Batt	<u>eries</u>			
Physical State:	🛭 Liquid	Sludge	T Powder			
E BE A DUM SEE TO CHEER A	·					
	⊠ Solid	☐ Filter Cake	Combination	n.		
Color: various		Odor: none				
Specific Gravity (wa	(er=1): <u>1.5</u>	Density: 12 lbs/gal				
Layers:	Single-phase	☐ Multi-ph	sse	,		
Marchalmen Tylese	The states	Tate	Truck		Ither (expisin)	
Container Type:	[]	Lad 2 3 5 5 C	in it is the be			
Container Size:	nd gain't man et in house stire.	n para salan di denomenta di della di d	painted a final symmetry in the	_	<u>On a Pallet</u>	
Frequency:	Weekly	☐ Monthly	☐ Quarterly		Yeariy	
Number of Units (co		ounds 0	ther:		-	
Texas State Waste C	, , , , , , , , , , , , , , , , , , , ,	NIV309H	A A A A A A A A A A A A A A A A A A A			
Texas State waste	ode No:	IAE A DADLE				
Proper U.S. DOT Sh	ipping Name:	Batteries, wet fi	lled with acid, 8, UN	2794, PG-III		
Class: 8	UN/N	A: UN 2794	PG: III		RQ: NA	i ya ni yakin akin in alim ana a musah ya perang yapang ya
		and the state of t	emploid this which ty	Irtinan	May and address and an address and address an	
775 . 8 TZ . 5	The state of the s	Reactive Sulfides	Reactive C		Solids	Politica della companya della constituta della constituta della constituta della constituta della constituta d
Flash Point	pII <1.0	Omg/I	Omg/i	Annercy	<u>;</u>	
<u>>140</u>		· A		Misalv	<u> 80-100%</u>	retrangent of 1998 all december (20 or over the december
Oil&Grease	TOC	Zine	Copper	Nick	č1	

SECTION 4: Physical and Chemical Data

Concentration	Units
Ranges are acceptable	or %
100	%

4350 for the defendant time to the control of the c	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level ${\sf C}$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): bases

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

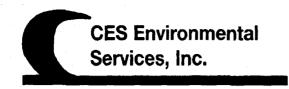
TCLP Metals:	2
ICLP Volatiles:	2
TCLP Semi-Volatiles:	<u> </u>
Reactivity:	X
Corrosivity:	Š
Kraitaldility:	X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Juny a	dit		Date: 02/28/	67
Printed Name/Title:	arrya. Slate	thy Los.	s Contro	(manager	
CES USE ONLY (DO NOT WI	\mathcal{L} \mathcal{L}	Ac Ac	fditional Informa	tion:	
Date: 32-07	(Approved)	Rejected		UNIV-RE	C
Approval Number:	2080				

3083High Island Petrochemicals Roof # 2083



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Ricky Harrington

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2083

Generator: High Island Petrochemicals

Address: 2500 Hwy Hwy 124

High Island, TX 77623

Waste Information

Name of Waste: Oily water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water - phase separation from used oil collection and contact water

Color: dark

Odor: none

pH: 8-10

Physical State:

Incompatibilities: na

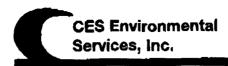
Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gen	erator Information				
Company:	High Island 121	rochemicals			
Address:	2500 Aug 3	124			
City, State, Zip:	High Island	TX 77623			
Contact:	Ricky Hacris	aton	Title:	MANAGET	
Phone No:	409-722-1888	h -	Fax No:		
24/hr Phone:	409-344-161	0			
U.S. EPA I.D. No:	TXR 00002974	4			
State I.D.	85917		SIC Code:		
SECTION 2: Billi	ng Information -	Same as Above			
Company:	High Island	Petro chemicals			
Address:	2300 levil 35	Suite 1,30			
City, State, Zip:	Nederland IX	77627			
Contact:	Ricky Harring		MANIAGET	-	
Phone No:	409- 722-6				
1		40.			
SECTION 3: Gen	eral Description of th	e Waste			
Name of Waste: Q	ما ا				
Detailed Description	LIII LANTEI	ting Waste: al	nhace sea	paration from used oil	
Demised Description	and Controf L	Ing waste. Only while	priase sep	Colle	rction
Physical State:	Z Liquid	Sludge	Powder	0-1/-	0. 10.,
I mysical State.	M Liquia	□ Sinake	T LOMBEY		
	[] a wa	— — — — — —			
	☐ Solid	☐ Filter Cake	Combinatio	n.	
~. > \				on.	
Color: Dack		☐ Filter Cake Odor: <u>N/O</u>		en e	
		Odor: <u>NO</u>		γ π	
Color: <u>Dack</u> Specific Gravity (w)	
		Odor: <u>NO</u> Density: <u>8</u> lbs/gal)TI	
Specific Gravity (v	vater=1): Single-phase	Odor: <u>NO</u> Density: <u>8</u> lbs/gal Multi-phase	Combination		
Specific Gravity (v Layers: Container Type:	vater=1);	Odor: <u>NO</u> Density: <u>8</u> lbs/gal Multi-phase	Combination	Other (explain)	
Specific Gravity (v	vater=1): Single-phase	Odor: <u>NO</u> Density: <u>8</u> lbs/gal Multi-phase	Combination		
Specific Gravity (v Layers: Container Type:	vater=1): Single-phase	Odor: <u>NO</u> Density: <u>8</u> lbs/gal Multi-phase	Combination		
Specific Gravity (v Layers: Container Type: Container Size:	vater=1): Single-phase Drum	Odor: NO Density: 8 lbs/gal Multi-phase Tote	Combination Truck Leaces	Other (explain)	
Specific Gravity (v. Layers: Container Type: Container Size: Frequency:	vater=1): Single-phase Drum Weekly	Odor: NO Density: 8 lbs/gal Multi-phase Tote Monthly	☐ Combination ☐ Truck [6,0003] ☐ Quarterly		
Specific Gravity (v Layers: Container Type: Container Size:	vater=1): Single-phase Drum Weekly	Odor: NO Density: 8 lbs/gal Multi-phase Tote	☐ Combination ☐ Truck [6,0003] ☐ Quarterly	Other (explain)	
Specific Gravity (v. Layers: Container Type: Container Size: Frequency:	Single-phase Single-phase Drum Weekly	Odor: NO Density: 8 lbs/gal Multi-phase Tote Monthly Other:	Combination Truck [4,002]	Other (explain)	
Specific Gravity (v. Layers: Container Type: Container Size: Frequency: Number of Units (c.	Single-phase Single-phase Drum Weekly containers):	Odor: NO Density: 8 lbs/gal Multi-phase Tote Monthly Other:	Combination Truck [4,002]	Other (explain) Yearly	·
Specific Gravity (v. Layers: Container Type: Container Size: Frequency: Number of Units (c. Texas State Waste Proper U.S. DOT S	Single-phase Single-phase Drum Weekly containers): Code No:	Odor: NO Density: 8 lbs/gal Multi-phase Tote Monthly Other: PCYCLE	Combination Truck Lecase Quarterly	Other (explain) Yearly	-
Specific Gravity (v. Layers: Container Type: Container Size: Frequency: Number of Units (c. Texas State Waste	Single-phase Single-phase Drum Weekly containers):	Odor: NO Density: 8 lbs/gal Multi-phase Tote Monthly Other:	Combination Truck [4,002]	Other (explain) Yearly	-
Specific Gravity (v. Layers: Container Type: Container Size: Frequency: Number of Units (c. Texas State Waste Proper U.S. DOT S	Single-phase Single-phase Drum Weekly containers): Code No:	Odor: NO Density: 8 lbs/gal Multi-phase Tote Monthly Other: PCYCLE	Combination Truck Lecocyle Quarterly	Other (explain) Yearly	- -
Specific Gravity (w. Layers: Container Type: Container Size: Frequency: Number of Units (c. Texas State Waste Proper U.S. DOT St. Class:	Single-phase Single-phase Drum Weekly containers): Code No: Shipping Name: UN/N	Odor: NO Density: 8 lbs/gal Multi-phase Tote 1 Monthly Other: Other: A: MA	Truck [4,002] Quarterly A Reg Marker PG:	Other (explain) Yearly exteriod RQ: na	- -
Specific Gravity (w Layers: Container Type: Container Size: Frequency: Number of Units (c Texas State Waste Proper U.S. DOT S Class:	Single-phase Single-phase Drum Weekly containers): Code No: Shipping Name: UN/N	Odor: NO Density: 8 lbs/gal Multi-phase Tote Monthly Other: PECYCLE ACH DOT/NO Reactive Sulfides	Combination Truck	Other (explain) Yearly A RQ: NA yanides Solids	-
Specific Gravity (w. Layers: Container Type: Container Size: Frequency: Number of Units (c. Texas State Waste Proper U.S. DOT St. Class:	Single-phase Single-phase Drum Weekly containers): Code No: Shipping Name: UN/N	Odor: NO Density: 8 lbs/gal Multi-phase Tote 1 Monthly Other: Other: A: MA	Truck [4,002] Quarterly A Reg Marker PG:	Other (explain) Yearly A RQ: NA yanides Solids	

SECTION 4: Physical and Chemical Data

\$450 (2.00 (1.00 (// () () () () () () () () () (
The waste consists of the following materials	Ranges are acceptable	or %	
n)	1-25 %		
water	1594- 73%		
solids	0-2%		
		ļ. <u></u>	
		ļ. <u> </u>	

water		759	9- 73 %	
solids		c	· - 2 %	
SECTION 5: Safety Related Data If the handling of this waste requires the use If the handling of this waste requires the use SECTION 6: Attached Supporting Docume List all documents, notes, data, and/or analy	ents		-	kage.
		pax of the	wasto approved poo	ange.
SECTION 7: Incompatibilities				
Please list all incompatibilities (if any):				
SECTION 8: Generator's Knowledge Docu	mentation			
Laboratory analysis of the bazardous waste generator knowledge:	characteristics, lis	sted below, WAS NO	T PERFORMED be	sed upon the following
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corroslvity:				
SECTION 9: Generator's Certification				
The information contained herein is based on attached description is complete and accurate omissions of composition properties exist and tested are representative of all materials describ	to the best of my	y knowledge and abil suspected hazards ha	ity to determine that	no deliberate or willful
Authorized Signature: Kypn Komus			Date: 2-21-07	
Printed Name/Title: Compliance Su	Parvisor			
CES USE ONLY (DO NOT WRITE IN THIS SPACE)				
Compliance Officer: Colhem Thy	A	Additional Informa	ition:	
Date: 3-2-07 Approved	1 Rejected		REC	
Approval Number: 2083	•			

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Compliance Officer:	
Compliance Officer: Kathem & Thy de	Additional Information:
Date: 3-2-07 Approved Rejected	REC
Approval Number: 2083	

SE	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES VES NO
If	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	ds Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils !	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory. (1) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess (2) of the values listed below, the waste should be classified in the metals subcategory. Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or (3) nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory X Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

High Island PetroChemical

1-877-664-4645 409-722-6880 Fax: 409-722-5480 FACSIMILE COVER SHEET

DATE:

February 22, 2007

TO:

LeRoy

COMPANY:

CES Environmental

FAX:

713-676-1676

FROM:

Ryan Romero

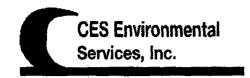
RE:

281-202-8727

NUMBER OF PAGES INCLUDING COVER SHEET: 5
If all copies do not transmit, please contact us immediately.

Confidentially Notice:

The information contained in this facsimile transmission is confidential. This information is intended for the exclusive use of the addressee named above. If you are not the intended recipient, you are hereby notified that any use, disclosure, distribution, copying, or the talking of any action because of this information is strictly prohibited. If you have received this information in error, please immediately notify us by telephone to arrange for the return of this document.

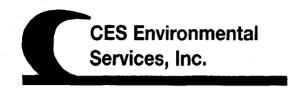


Date

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-2083			
Customer:	High Island Petroch	nemicals		
Waste Generator:	High Island Petroch	nemicals /		
Waste Stream Name:	Oily water			
Expiration Date:	<u>3/2/2009</u>	\int		
As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3. Generator hereby certifies that the components in the aforementioned waste stream and the process generating				
		aforementioned CES Waste Approve		
No changes, please recen	nify.	Analysis is NOT required for recert	ification.	
Please send new profile has changed.	as waste stream	The following analysis is required f Please sumbit results of the following		
Enviro Solutions Customer Name Kyan Komew Signature SATtend Complia Company / Title	wee	TCLP Metals TCLP Volatiles TCLP Semi-volatiles Reactivity Corrosivity Ignitability		
2/19/129				



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Liz or Carl

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2084

Generator: Enviro Solutions - Baytown

Address: 11005 East I-10

Baytown, TX 77580

Waste Information

Name of Waste: Off-spec oily water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Off-spec oily water - used oil/light ends phase separated, material may have a flsash

Color: brown

Odor: hydrocarbon

pH: 8-12.5

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information					
Company:	Enviro Solutions				
Address:	11005 EAST 1				
City, State, Zip:	Brytown	TX 77580			
Contact:	Barl Romero		Title:	Manager	
Phone No:	409 - 722 -	6880	Fax No:		
24/hr Phone:		124	_		
U.S. EPA I.D. No:		5681	_		
State I.D.	A85786		SIC Code:	Na	
	_		_		
SECTION 2: Billing					
	<u>Enviro Solutio</u>				
	2300 Hwy 36				
City, State, Zip: 1	Jeder Awal T	X 77627	- 7VI		
	KARI Komero	Title:	Manuages		
Phone No:	409 - 722~6880	Fax No:			
SECULON 4 C	al Danadan adalı	. VIIA			
SECTION 3: Gener	al Description of th	e waste			
Name of Waste: of Detailed Description	of Process General	ing Waste: glf Spec Jo	ly water her	Used oil/Light Ends	
	prosed	seperated, moterial	May	4 + 145 h.	
Physical State:	Liquid Liquid	☐ Sludge	Powder		
	Solid Solid	Filter Cake] Combination	on .	
Color: brown		Odor: <u>hy</u> che caben			
Specific Gravity (wa	ter=1); 2	Density: 8 lbs/gal			
Layers:	☐ Single-phase	Multi-phase			
Container Type:	☐ Drum	☐ Tote ☑	Truck	Other (explain)	
			_	_ Ounce (Captain)	
Container Size:			6,000		
Frequency:	Weekly	☐ Monthly ☐	Quarterly	☐ Yearly	
Number of Units (containers): Other:					
Texas State Waste C	ode No:	Reycloble Water	•		
TO THE COMPANY OF THE PARTY OF					
-	· •	NON-RCRA/NO	n-1007 17	egulated natical	
Class:	UN/N	A: M	PG:	na RQ: NA	
771 - 1- Th-1 -	T_vv	D C C	D- ** *	7	
Flash Point	pH 8-13-5	Reactive Sulfides	Reactive (· —	
	8-12-5	<50 mg/l	Corpor	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Oil&Grease	TOC Me/I	Zinc ma/l	Copper	Nickel Day	

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
0.1	0-25%	
solids	0-5%	
wat <r< td=""><td>75-100%</td><td></td></r<>	75-100%	

solids	0-5%	
WATER	75-100%	
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special prot	ective equipment, please explain.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to μ	this form as part of the waste approval package.	
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):		
na na		
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, generator knowledge:	listed below, WAS NOT PERFORMED based upon the fo	illowi
TCLP Metals:		
CCLP Metals: CCLP Volatiles: CCLP Semi-Volatiles: Reactivity: Corrosivity:		
Reactivity:		
Corrosivity:		
<u></u>		
ECTION 9: Generator's Certification		
The information contained herein is based on _ generator known generator is complete and accurate to the best of composition properties exist and that all known tested are representative of all materials described by this docur	my knowledge and ability to determine that no deliberate or suspected hazards have been disclosed. I certify that the	or wi
Authorized Signature: Nan Komeu-	Date: 2-Do-Ole	
Printed Name/Title: Ryan Rungia Comph	Amee MAWAger	
ES USE ONLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer: Pathan Rangual	Additional Information:	
Date: 3-2-07 Approved Rejected	REC	_
Approval Number: 2084		_

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robbas Ranged	Additional Information:
Date: 3-2-07 Approved Rejected	<u>REC</u>
Approval Number: 2084	

SE	CTION 10: Waste Receipt Classification Under 40 CFR 4	<u>437</u>	
Is:	this material a wastewater or wastewater sludge? YES	☑ NO	
If '	Yes', complete this section.		
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGORY, GO TO THE NEX	T PAGE.
Meto	ils Subcategory: Subpart A		ě
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equip	· • •	
Oils !	Subcategory: Subpart B		
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	:S	
<u>Orgai</u>	nics Subcategory: Subpart C		
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	urces	

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

ENVIRO SOLUTIONS

1-877-664-4645 409-722-6880 Fax: 409-722-5480 FACSIMILE COVER SHEET

DATE:

February 21, 2007

TO:

LeRoy

COMPANY:

CES Environmental

FAX:

713-676-1676

FROM:

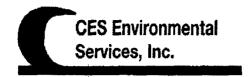
Ryan Romero

RE: Off Spec & Oily Water

NUMBER OF PAGES INCLUDING COVER SHEET: 5
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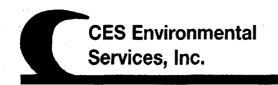


4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-2084		
Customer:	Enviro Solution		
Waste Generator:	Enviro Solution	s - Baytown	
Waste Stream Name:	Off-spec oily wa	<u>ater</u>	
Expiration Date:	2/28/2009		
As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.			
Generator hereby certifies to this waste stream remain the Appropriate Box)			
No changes, please recer	tify.	X Analysis is NOT required for recert	ification.
— Please send new profile has changed.	as waste stream	The following analysis is required f Please sumbit results of the following	
Enviro Solutions Customer Name Ryan Karmen Signature Saf bly & Comple	iance	TCLP Metals TCLP Volatiles TCLP Semi-volatiles Reactivity Corrosivity Ignitability	
Company / Title			

Envise Solutions 3085 Ref # 2085



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Liz or Carl

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2085

Generator: Enviro Solutions - Baytown

Address: 11005 East I-10

Baytown, TX 77580

Waste Information

Name of Waste: Oily water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Used oil/oily water - phase separation from collection of used oil

Color: grey

Odor: hydrocarbon

pH: 8-12.5

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-146

4097225480

Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener				
Company:	Enviro Solution			
Address:	_11005 E	954 1-10		
City, State, Zip:	Baytown	TX	77580	
Contact:	Karl Romero		Title:	MANAGET
Phone No:	469- 722- 681	30	Fax No:	<u> </u>
24/hr Phone:	409-719-62	24	<u> </u>	
U.S. EPA I.D. No:	TXR 0000 55	681		
State LD.	A85786		SIC Code:	na
SECTION 2: Billing	Information - 🔲	Same as Above		
Company:	Enviro Solutions			
	2300 Hwy 363	Suite 630		
	Necleranel	TX 77627		
Contact:	7×	Title:	MANAGET	
Phone No:	1991 Komero 109-722-6880		Timonger	· · · · · · · · · · · · · · · · · · ·
I HOME NO.	01 120 6000	Lax No.		
SECTION 1. Cara	al December - af ch	· Waste		
SECTION 3: Gener	at Description of In	<u>2 vv aste</u>		
Name of Waste:	Mater			(a) (b)
Detailed Description	of Bussess Consust	ina Waster 1156D All	1 mily wa	ter-phose Seperation from
Detailed Description	or Process General	lection of Used oi	1 019	7
		Sludge	<u>. </u>	
Physical State:	Liquid		Powder	
	Solid Solid	Filter Cake	☐ Combination	n
			•	
Color: 9724	· · · · · · · · · · · · · · · · · · ·	Odor: hydrocarbor	1	
, ,	-9-	•		
Specific Gravity (wa	ter=1):	Density: 8 lbs/gal		
Provide Ci-ing (wa				
Layers:	☐ Single-phase	Multi-phase		
Luj vis.	- Singre pinase	C wanterbross		
Container Tymes	☐ Drum	☐ Tote	Truck	Other (explain)
Container Type:		lote	_	Cluer (exhiam)
Container Size:	· —		6000 gls	· ·
Frequency:	Weekly	Monthly [☐ Quarterly	Yearly
		— •		<u> </u>
Number of Units (co		Other:		
Texas State Waste C	ode No:	Recyclabe Prod	luct	
Proper U.S. DOT Sh	ipping Name:	000011		
~	,,	Non-RCRA/NO		eg material
Class:	UN/N	A: _ Na	PG:	RQ:
Flash Point	pH _	Reactive Sulfides	Reactive (
2100"	8-12.5	450_mg/l		0-5 %
Oil&Grease	TOC	Zinc	Copper	Nickel
>150cma/1	CIDOD moll	() ma/l	mo/I	(1) mg/l

SECTION 4: Physical and Chemical Data

4097225480

		· rait
The waste consists of the following materials	Ranges are acceptable	or %
0,1	0-25%	
solid's	0-5%	
mater	15-100%	<u> </u>
		<u> </u>
		ــــــــــــــــــــــــــــــــــــــ

The waste consists of the following materials	Kanges are acceptable	or %
0, 1	0-25%	
solids	0-5%	
water	15-100%	<u> </u>
•		
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special protective equi	nment place explain	
NC	ршень, рісазе ехріаш.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this form a	s part of the waste approval packa	ge.
<u> </u>		
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):		
VC		
SECTION 8: Generator's Knowledge Documentation		
renerator knowledge: CCLP Metals:		
ICLP Metals: ICLP Volatiles: ICLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:		
Reactivity:		
Corrosivity:		
(gnitability:		
SECTION 9: Generator's Certification		
The information contained herein is based on generator knowledge ar attached description is complete and accurate to the best of my knowlomissions of composition properties exist and that all known or suspected tested are representative of all materials described by this document.	edge and ability to determine that red hazards have been disclosed. I co	no deliberate or v
Authorized Signature:	Date: 2.20-01e	
Printed Name/Title: Karl Pornero IMANAGER		
Printed Name/Title: Bart Vornero / Manager	·	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer: Lobbah Change Addi	tional Information:	
Date: 3-Z-07 Approved Rejected	KEC	
Approval Number: Z085		·

SECTION 10:	Waste	Receipt	Classificat	tion Un	der 40	CFR.	437
CARLO ALLONDO	AA GGOOD	RECEIPE			Mer 10	- A 43	<u>, , , , , , , , , , , , , , , , , , , </u>

4097225480

Is this material a wastewater or wastewater sludge YES NO

If 'Yea', complete this section.

IEXT PAGE.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE	TE CATEGORY, GO TO THE N
Metals Subcategory: Subpart A	
Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electropla Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment	ting or phosphating operations
Oils Subcategory: Subpart B	
Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
Organics Subcategory: Subpart C	
Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

4097225480

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or (3) nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory

M Oils Subcategory

Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

1-877-664-4645 409-722-6880 Fax: 409-722-5480 FACSIMILE COVER SHEET

DATE:

February 21, 2007

TO:

LeRoy

COMPANY:

CES Environmental

FAX:

713-676-1676

FROM:

Ryan Romero

RE: Used Oil & Oily Water

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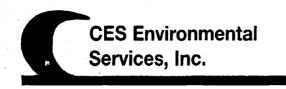
4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-2085		
Customer:	Enviro Soluti	ions - Baytown	
Waste Generator:	Enviro Soluti	ons - Baytown	
Waste Stream Name:	Oily water	•	
Expiration Date:	3/2/2009		
profiles on an annual basis. generation process of the af hazardous as per 40 CFR 26 Generator hereby certifies the	The purpose of the forementioned was 51.3. That the component is same as when is the component is the compo	mental Services, Inc. requires recertification his form is to confirm that no changes have steen steen and that the waste stream remains its in the aforementioned waste stream and the sued the aforementioned CES Waste Approximately. Analysis is NOT required for recertification.	classified as non- classified as non- e process generating al Number: (Check
Please send new profile a has changed.	as waste stream	The following analysis is required Please sumbit results of the follow	
Enviro Solutions Customer Name Byan Tomero Signature SaFley 1 Compliance Company / Title	<u>e</u>	TCLP Metals TCLP Volatiles TCLP Semi-volatiles Reactivity Corrosivity Ignitability	

TRIMA C Proft 2086

386



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Rick Coburn

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2086

Generator: Trimac (Beaumont) **Address:** 5055 Washington Blvd

Beaumont, TX 77707

Waste Information

Name of Waste: Nonhazardous tank heels

TCEO Waste Code #: 21084091

Container Type:

Detailed Description of Process Generating Waste: Removal of tank heels from RCRA empty tank trailers

Color: white

Odor: mild

pH: na

Physical State:

Incompatibilities: strong oxidizers
Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

MAR-01-2007 17:06

CES Environmental Service

713 676 1676 P.02



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information			
Company:	Trimac National	Tank Services		
Address:	5055 Washington	Blvd		
City, State, Zip:	Beaumont, TX 7	77007	· · · · · · · · · · · · · · · · · · ·	
Contact:	Brian Apfel		Title:	Manager
Phone No:	409-363-3389		Fax No:	409-842-4717
24/hr Phone:				***
U.S. EPA I.D. No:	TX 005187	7348	•	
State L.D.	32313		SIC Code:	NA
SECTION 2: Billin	g Information – 🕅	Same as Above		
Company:				
Address:			***************************************	
City, State, Zip:				
Contact:		Title:		
Phone No:		Fax No:		
-				
SECTION 3: Gener	al Description of th	ie Waste		
Name of Waste: No	nharandaru Tauli II-	ala.		
		ting Waste: removal of tank	heels from RCI	RA empty tank trailers
Physical State:	Liquid	Sludge	Powder	
	⊠ Solid	Filter Cake	1 Combinatio	-
	` ™ 2011 0	□ Filter Cake □) Combination	
Color: white	•	Odor: <u>mild</u>	•	
Specific Gravity (wa	ter=1\: _* 2	Density: 8-9 lbs/gal		
Specific Gravity (va		Primary 2-7 ion Ear		
Layers:	Single-phase	Multi-phase		
Container Type:	Drum	□ Tote □	Truck	Other (explain)
Container Size:	55gal	_		
				
Frequency:	☐ Weekly	☐ Monthly 🛛	Quarterly	Yearly
Number of Units (co		Other:	~ J	- •
•				
Texas State Waste C	ode No:	21084091		
Proper U.S. DOT Sh	ipping Name:	Non RCRA/Non DOT	Regulated Ma	nerial
Class: 9	UN/N	IA: 3257	PG: 1	I RQ: NA
		<u></u>		
Flash Point	pH	Reactive Sulfides	Reactive C	yanides Solids
<u>>200</u>	NA	NAmg/I	NAmg/I	100%
Oil&Grease	TOC	Zinc	Copper	Nickel
Omg/l	Omg/I	Omg/I	0mg/l	Omg/I

MAR-01-2007 17:06

CES Environmental Service

713 676 1676

P.03

SECTION 4: Physical and Chemical Data

Concentration	Units
Ranges are acceptable	or %
Ø×100	%
	1
	
	+
	Ranges are acceptable

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDS Pravan 1300 , MSDS FR-56

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): stong oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Metals are below regulatory limits

TCLP Volatiles:

TCLP Volatiles are below regulatory limits
TCLP Semi-Volatiles are below regulatory limits

TCLP Semi-Volatiles: Reactivity:

No reactive material in waste or generating process

Corrosivity:

No corrosive materials in waste or generating process

Ignitability:

No flammable materials in waste or generating process

SECTION 9: Cenerator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: 15000 Date: 3-1-07

Printed Name/Title: Brian Apfel/Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Labbar Clay	Process Facility Information:
Date: 3-5-07 Approved Rejected	05
Approval Number: 2086	

P.04

MAR-01-2007 17:06 CES Environmental Service 713 676 1676 SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge?

YES If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations

Tank clean-out from organic, non-petroleum sources

MAR-01-2007 17:06

CES Environmental Service

713 676 1676

P.05

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess (2) of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

If the waste contains oil and grease less than 100 mg/L. and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory
Oils Subcategory
Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmlum, Chromium. Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Feb. 27. 2007 2:30PM ANDREWS TRANSPORT

No. 6557 P. 1/9

\$45

EXonMobil

792044-00 PARVAN 1300 MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PARVAN 1300

SUPPLIER: EXXONMOBIL OIL CORPORATION

3225 GALLOWS RD. FAIRFAX, VA 22037

24 - Hour Health and Safety Emergency (call collect): 609-737-4411

24 - Hour Transportation Emergency: CHEMTREC: 800-424-9300 202-483-7616

LUBES AND FUELS: 281-834-3296

Product and Technical Information:

Lubricants and Specialties: 800-662-4525 800-443-9966

Fuels Products: 800-947-9147 MSDS Fax on Demand: 713-613-3661

MSDS Internet Website: http://www.exxon.com, http://www.mobil.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PETROLEUM HYDROCARBONS

GLOBALLY REPORTABLE MSDS INGREDIENTS:

None.

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

This product may be considered hazardous according to regulatory guidelines (See Section 15).

EMERGENCY OVERVIEW: White Wax. May generate irritating vapors/fumes when burning. DOT ERG No. : 128

POTENTIAL HEALTH EFFECTS: Contact with hot material may cause skin burns. When heated, the vapors/fumes given off may cause

No. 6557 P. 2/9

respiratory tract irritation.

For further health effects/toxicological data, see Section 11.

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance.

SKIN CONTACT: Wash contact areas with soap and water. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. (See Section 16 - Injection Injury)

INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with mechanical device or use mouth-to-mouth resuscitation.

INGESTION: Not expected to be a problem when ingested. If uncomfortable seek medical assistance.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing.

Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: May generate irritating

JSUAL FIRE AND EXPLOSION HAZARDS: May generate irritat
 vapors/fumes when burning.

COMBUSTION PRODUCTS: Wax fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

Flash Point C(F): 204(400) (ASTM D-92).

Flammable Limits (approx.% vol.in air) - LEL: NE, UEL: NE NFFA HAZARD ID: Health: 1, Flammability: 1, Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800)424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: If liquid, dike to contain; allow to cool. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal or divert to recovery unit.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers

Feb. 27. 2007 2:30PM ANDREWS TRANSPORT

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or drains and contact with soil. PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: If heated, avoid personal contact. Avoid breathing vapors/fumes from heated material. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

OSHA and ACGIH have adopted an 8-hour time-weighted average (TWA) exposure of 2 mg/m3 (paraffin wax fume).

VENTILATION: Use local exhaust over heating operations.
RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Chemical type goggles and face shield should be worn if contact with hot liquid may occur.

SKIN PROTECTION: Gloves as required to handle hot materials. Good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Wax COLOR: White ODOR: Mild

ODOR THRESHOLD-ppm: NE

pH: NA

BOILING POINT C(F): NE MELTING POINT C(F): 54(129)

FLASH POINT C(F): 204 (400) (ASTM D-92)

FLAMMABILITY (solids): NE AUTO FLAMMABILITY C(F): NE EXPLOSIVE PROPERTIES: NA OXIDIZING PROPERTIES: NA Feb. 27. 2007 2:30PM ANDREWS TRANSPORT

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VAPOR PRESSURE-mmHg 20 C: < 0.1
VAPOR DENSITY: NE
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.827
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: > 3.5
VISCOSITY AT 40 C, cSt: NA
VISCOSITY AT 100 C, cSt: 3.5
POUR POINT C(F): NA
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.

CONDITIONS TO AVOID: Temperatures above melting point.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Not established

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: 0 or greater but 6 or less). ---Based on testing of similar products and/or the components.

SKIN TRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: 0.5 or less). ---Based on testing of similar products and/or the components.

--- CHRONIC TOXICOLOGY (SUMMARY) ---

The oils that are processed to obtain this wax product are generally severely solvent refined and/or severely hydrotreated and/or acid treated. Chronic mouse skin painting studies of the severely treated oils showed no evidence of carcinogenic effects. Furthermore, the wax components that are derived from these types of oils have also been evaluated in separate chronic feeding and/or dermal tests and no evidence of chronic disease or cancer was observed.

---SENSITIZATION (SUMMARY)---

Not expected to be sensitizing based on tests of this product, components, or similar products.

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12. ECOLOGICAL INFORMATION ______

ENVIRONMENTAL FATE AND EFFECTS:

This environmental assessment was conducted using information on the individual components as no test data was available for this specific formulation.

ECOTOXICITY: The major components in the formulation show no aquatic toxicity at 1000 mg/L loading, therefore long-term adverse effects in the aquatic environment are not expected.

MOBILITY: Not established.

PERSISTENCE AND DEGRADABILITY: This product is expected to be inherently biodegradable, as the principal components have been shown to degrade at slow to moderate rates.

BIOACCUMULATIVE POTENTIAL: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT:

SHIPPING NAME:

Elevated temperature liquid, n.o.s.

(contains PETROLEUM WAX)

HAZARD CLASS & DIV:

ID NUMBER: ERG NUMBER: PACKING GROUP:

128 PG III NE

DANGEROUS WHEN WET:

No

G UN3257

POISON:

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LABEL(s):
PLACARD(s):
PRODUCT RO:

Class 9 Class 9 NA

MARPOL III STATUS:

NA.

OTHER INFORMATION:

Product is not regulated when shipped at temperatures below 212 F and its flash

point.

RID/ADR:

HAZARD CLASS: PACKING GROUP: LABEL:

III 9 99

DANGER NUMBER: UN NUMBER:

99 3257

SHIPPING NAME:

Elevated temperature liquid, n.o.s.

(contains PETROLEUM WAX)

REMARKS:

NA

3257

IMO:

HAZARD CLASS & DIV:

.

UN NUMBER: PACKING GROUP:

PG III
Elevated temperature

SHIPPING NAME:

Elevated temperature liquid, n.o.s.

(contains PETROLEUM WAX)

LABEL(s):

Class 9

MARPOL III STATUS:

NA

IATA: FORBIDDEN

OTHER INFORMATION:

Product normally shipped at elevated temperature to facilitate handling and application. For samples packaged and shipped at normal room and environmental

temperatures, TATA transportation

regulations / classifications including UN number, proper shipping name, hazard class, and packing group do not apply. Therefore, Not Regulated by IATA for solid

samples shipped at room temperature.

15. REGULATORY INFORMATION

US OSHA HAZARD COMMUNICATION STANDARD: This product may be used in certain applications where temperatures may lead to generation of wax fumes. According to OSHA, paraffin wax fume may be considered to be hazardous if the workplace airborne concentration exceeds 2 mg/m3.

EU Labeling: Froduct is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.

Governmental Inventory Status: All components comply with TSCA, EINICS/ELINCS, AICS, DSL, KOREA, and PHILIPPINES.

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U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

THIS PRODUCT MEETS THE REQUIREMENTS OF FDA REGULATIONS (S): 172.886

The following product ingredients are cited on the lists below: LIST CITATIONS * CHEMICAL NAME CAS NUMBER ____ _____ _____ PARAFFIN WAX FUME 1, 10, 19, 20, 23

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=T <i>S</i> CA 5e	16=CA RTK	23=MN RTK
4-NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25≃PA RTK
				26=RI RTK

* EPA recently added new chemical substances to its TSCA Section 4 test rules. Please contact the supplier to confirm whether the ingredients in this product currently appear on a TSCA 4 or TSCA 12b list. Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

16. OTHER INFORMATION

USE: WAX

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN FCBS.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, carly surgical treatment within the first few hours may significantly reduce the

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ultimate extent of injury.

Precautionary Label Text:

CONTAINS PETROLEUM WAX

CAUTIONI

HOT PRODUCT MAY CAUSE THERMAL BURNS. EXPOSURE TO GREATER THAN 2MG/M3 WAX FUME MAY CAUSE NOSE, THROAT OR LUNG IRRITATION.

Use adequate ventilation during heating operations to keep airborne levels below recommended exposure limits.

FIRST AID: If irritation occurs, remove to fresh air and get medical attention.

For industrial use only. Not intended or suitable for use in or around a household or dwelling.

Refer to product Material Safety Data Sheet for further safety and health information.

Information given herein is offered in good faith as accurate, but without quarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Exxon Mobil Corporation and its affiliated companies assume no responsibility for accuracy of information unless the document is the most current available from an official ExxonMobil distribution system. Exxon Mobil Corporation and its affiliated companies neither represent nor warrant that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

Prepared by: ExxonMobil Oil Corporation
Environmental Health and Safety Department, Clinton, USA

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WSP Chemicals & Technology, LLC

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AZZAGIAN

FR-56 Meds

Material Safety Data Sheet

WSP Chemicals & Technology, LLC 2301 Duss Ave., Suite 32 Ambridge, PA 15003 Phone: (724) 266-7688 Fex: (724) 266-7683

24-Hour Emergency Telephone CHEMTREC® 1-800-424-9300

Section 1. PRODUCT IDENTIFICATION

Sample Name/Trade Names: FR-56

Chemical Description: Water in oil emulsion copolymer

Product Class/Chemical Family: Anionic water-soluble polymer in emulsion form

MSDS Creation Date: January 22, 2005 MSDS Revision Date: January 10, 2006

Section 2. INFORMATION ON INGREDIENTS

Chemical Name
Hydrorrested Light

CAS Number 64742-47-8 W1.%

OSHA PEL

ACCHILV

Distillate

This product is not considered to be bazardous according to the criteria of the U.S. Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). Similarly it is not a controlled product under WHMIS in Canada

Section 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product poses a clight health hezerd. Spale produce extremely slippery surfaces.

nmis ratings: health=1, fire=0, reactivity=0 hazard rating scale: 0=minimal, 1=slight, 2=moderate, 3=serious, 4=severe

AFFEARANCE: Milky white liquid.
PRIMARY ROUTES OF ENTEY: None
TARGET ORGANS: None
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Avoid eye contact. This product is minimally infining to the eyes upon direct contact. This product has a low vapor present and is not expected to present a hazard to the eyes at ambient conditions.



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EKIN CONTACT: Avoid skin contact. This product is minimally initiating to the skin. Based on testing of similar or related materials, prolonged or repeated contact with the skin may result in contact dermatitis that is characterized by dryness, chapping and reddening. This condition may make the skin more susceptible to other

imitative sonsitizors and discose, INGESTION: Do not ingest. Ingestion of small quantities is usually notified unless aspiration occurs. Aspiration may lead to chemical prountonitis, which is characterized by pulmenary edema and homorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased how rate and a bluish discoluration of the skin. Coughing, chaking and gagging are often noted at the time of espiration. Gestrointestinal discomfort may develop followed by varniting with a further risk of aspiration. Ingestion may also cause gestrointestinal distress. Severe oral intercication will lead to intense burning of the throat and may result in drowsiness, dulineas, numberes and headache followed by dizziness, weakness and names. Lose of consciousness and convulsions followed by death may result.

INHALATION: Avoid prolonged inhalation of mist or vapors. This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product. The Permissible Exposure Limit (PEL) and Threshold Limit Value (TLV) for the oil component in this product as an oil mist is 5 mg/m2. Exposures below this value appear to be without significant health risk. The short-term exposure limit for the oil component in this product as an oil mist is 10 mg/m2. Acute and chronic overexposures may imitate the respiratory tract.

CARCINOGENICITY:

NIP: No ingredients listed in this section. IARC: No ingredients listed in this section. OSHA: No ingredients listed in this section.

Section 4 FIRST AID MEASURES

KYE CONTACT; Immediately flush eyes with large amounts of water and concluse flushing until irritation subsides. Seek medical attention if irritation persists. Follow good industrial hygiene practices when using this product

SKIN CONTACT: Remove contaminated clothing and wash contaminated areas thoroughly with acan and water. Seek.... medical attention if unitation or redness persists. Follow good industrial hygiene practices when using this product.

INHALATION: Due to its low vapor pressure this product is not expected to present an inhalation hazard. If signs of inhalation overexposure are observed, immediately move victim to fresh air. Seek appropriate medical attention if breathing difficulties are observed.

INGESTION; If swallowed, do not induce vomiting. Call a physician. If vomiting occurs lower head holow knees to avoid agrication. Seek medical attention immediately. This product would be expected to be practically non-toxic by ingestion.

Section 5. FIRE-FIGHTING MEASURES

FLASH POINT: >200°F

LOWER FLAMMABLE LIMIT: Not available

UPPER FLAMMABLE LIMIT: Not available

AUTO-IGNITION TEMPERATURE: →19°F

EXTINGUISHING MEDIA: Use Water Spray (Fog), Dry Chemical, Foun or Carbon Dioxide

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FIRE-FIGHTING INSTRUCTIONS; Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are ossential.

FIRE AND EXPLOSION HAZARDS; Donse smoke may be generated while hunning. Carbon Monoxide and other exides and pases may be generated as products of combustion.

DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce earbon monexide, carbon diaxide nitrogen exides and gulfur exides.

NFPA RATINGS: Health = 1 Flammability = 1

Reactivity = 0

Special Hazard = None

Hazard rating scale: 0-Minimal; 1-Slight 2-Moderate: 3-Serious: 4-Severe

Section 6. ACCIDENTIAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

West appropriate personal protective equipment. Attempt to contain the spill, collect it canto an inert absorbent and place into suitable container. Spilled product may make floor slippery; spills should be cleaned up immediately in order to prevent falls.

Section 7. HANDLING AND STORAGE

HANDLING: As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the product and ensure promot removal from eyes, skin and clothing. Wash thoroughly after handling. Keep container closed when not in use.

STORAGE: Product is stable (thereas), light, etc.). Hazardous polymerization will not occur.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION; Chemical splash goggles recommended as a good industrial hygiene practice, SKIN PROTECTION; West appropriate elething to avoid skin contact. RESPIRATORY PROTECTION: None required for normal manage

ENGINEERING CONTROLS: No specific recommendations.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Builing Point >212°F

Solubility in Water: Soluble as inverted emulsion

Vapor Pressure: Similar to water

Specific Gravity: 1,00 ~ 1.06 @ 25°C

Vapor Density (air = 1): N/A

DH: N/A

%Volatiles by Weight ~ 50 (Water)

Freezing Point <10°C

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Appearance and Odor: Milky white opaque liquid with a slight oil odor.

Section 10. STABILITY AND REACTIVITY

CHEMICAL STABILLTY: Stable HAZARDOUS POLYMERIZATION: Will not occur CONDITIONS TO AVOID: No specific information INCOMPATIBILITY: Strong oxidizers

DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, nitrogen oxides and sulfur oxides.

Section 11. TOXICOLOGICAL INFORMATION

Eve Dritation: see Sections 3, 4.

Skin Irritation: see Sections 3, 4.

Test Material

Oral LD40 (raf)_

Dermai L.DSO (rabbit) Inhalating LCSO (rat)

Section 12. ECOLOGICAL INFORMATION

Environmental Data:

TOC: Unknown COD: Unknown BOD: Unknown

Test Material

Acostic Toxicity Data

Unknown

Section 13. DISPOSAL CONSIDERATIONS

TSCA STATUS: All components of this product are on the TSCA and DSL inventories.

RCRA: Not a hazardous waste.

RAZARDOUS WASTE NUMBER: Not applicable.

REPORTABLE QUANTITY (40 CFR 302): Not applicable.

THRESHOLD PLANNING QUANTITY (40 CFR 335); Not applicable.

CALIFORNIA PROPOSITION 65 INFORMATION: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains a chemical known to the State of California to cause cancer: acrylamide.

Section 14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Proper Shipping Name: Not applicable Class/Division: Not restricted ED Number: Not applicable

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Pacidag Group: Not applicable Label: None

Section 15. REGULATORY INFORMATION

OSHA Hazard Communication Status: Non-hazardous

TSCA: The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA reportable apantity of EPA Hazardons Substances in product:

RO

Chemical Name
No ingrodients have a CERCLA RQ.

Product RQ: Not applicable

(Notify EPA of product spills exceeding this emount)

SARA TITLE III:

Section 302 Extremely Hazardous Substances:

Chemical Name

CAS#

RO

TPO

None

Section 311 and 312 Health and Physical Hazards:

Immediate [10]

Delayed

Fig

PROMUTE lon

Reactivity

[no]

Section 313 toxic Chemicals:

Chemical Name None

CAS#

% by Walght

Section 16. OTHER INFORMATION

HMIS RATINGS: Health = 1 Flammability = 0 Reactivity = 0

Personal Protective Equipment = A

Hazard rating scale: 0-Minimal; [-Slight 2-Moderate; 3-Scripts; 4-Severo

MEDS REVISION SUMMARY: None on Jan 10th, 2006

While this information and recommendations set forth berein are believed to be accurate as of the date hereof. THE MANUFACTURER MAKES NO WARRANTY WITH RESPECT EBRETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

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THE DOW CHEMICAL COMPANY MATERIAL SAFETY DATA SHEET



Product Name: UCAR(TM) Latex 6651 S

MSDS#: 26357

Effective Date: 03/24/2003
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Dow (hereinafter, and for purposes of this MSDS only, refers to The Dow Chemical Company and to Dow Chemical Canada Inc.) encourages and expects you to read and understand the entire MSDS, as there is Important information throughout the document. Dow expects you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 IDENTIFICATION

Product Name

UCAR(TM) Latex 6651 S

1.2 COMPANY IDENTIFICATION

The Dow Chemical Company Midland, MI 48674

1.3 EMERGENCY TELEPHONE NUMBER

24-HOUR EMERGENCY TELEPHONE NUMBER: (989)636-4400. Customer Information Number: 1-800-258-2436.

* or ® Indicates a Trademark of The Dow Chemical Company.

MSDS#: 26357

MATERIAL SAFETY DATA SHEET

Product Name: UCAR(TM) Latex 6651 S

Effective Date: 03/24/2003

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2. COMPOSITION INFORMATION

Component	CAS#	Amount (%W/W)
Butyl acrylate, styrene, acrylonitrile, 2- ethylhexyl acrylate, methacrylic acid polymer	87780-91-4	< 60%
Water	7732-18-5	40 %
Ammonia	7664-41-7	0.09 %
2-Ethylhexyl acrylate	103-11-7	0.03 %
Acrylonitrile	107-13-1	< 0.001%

3. HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Appearance

White

Physical

Liquid

State

Odor

Mild

Hazards of

WARNINGI

product

VAPOR MAY BE HARMFUL IF INHALED.

MAY CAUSE SKIN IRRITATION.

3.2 POTENTIAL HEALTH EFFECTS

Effects of Single Acute Overexposure

Inhalation May cause irritation of the respiratory tract, experienced as burning sensation of eyes, nose, and throat, sneezing, coughing, and nausea.

Product Name: UCAR(TM) Latex 66518 Effective Date: 03/24/2003 MSDS#: 26357 Page 3 of 13

Eye Contact Liquid may cause discomfort in the eye with slight excess redness and possibly swelling of the conjunctiva.

Skin Contact Brief contact is not irritating. Prolonged contact, as from clothing wet with the material, may cause mild irritation, experienced as discomfort, and seen as local redness.

Skin Absorption No evidence of harmful effects from available information.

Swallowing No evidence of harmful effects from available information.

Chronic, Prolonged or Repeated Overexposure

Effects of Repeated Overexposure No adverse effects anticipated from available information.

Other Effects of Overexposure None currently known.

Medical Conditions Aggravated by Exposure

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

See Section 11 for toxicological information and additional information about potential health effects.

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

See Section 12 for Ecological Information.

4. FIRST AID PROCEDURES

4.1 INHALATION

Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if necessary. Call a physician.

4.2 EYE CONTACT

Immediately flush eyes with water and continue washing for several minutes. Remove contact lenses, if worn. Obtain medical attention

4.3 SKIN CONTACT

Remove contaminated clothing. Wash skin with soap and water. If imitation persists or if contact has been prolonged, obtain medical attention.

Product Name: UCAR(TM) Latex 6651 \$

Effective Date: 03/24/2003

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4.4 SWALLOWING

No harmful effects expected.

4.5 NOTES TO PHYSICIAN

Toxicology studies have shown similar material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES - REFER TO SECTION 9, PHYSICAL AND CHEMICAL PROPERTIES

5.2 EXTINGUISHING MEDIA

Non-flammable (aqueous solution): After water evaporates, remaining material will burn. Apply alcohol-type or all-purpose-type foam by manufacturers' recommended techniques for large fires. Use water spray, carbon dioxide or dry chemical media for small fires.

5.3 FIRE FIGHTING PROCEDURES

No information currently available.

5.4 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Use self-contained breathing apparatus when fighting fires in enclosed areas.

5.5 UNUSUAL FIRE AND EXPLOSION HAZARDS

Product will not burn but may spatter if temperature exceeds boiling point of water. During a fire, oxides of nitrogen may be produced.

5.6 HAZARDOUS COMBUSTION PRODUCTS

Burning can produce the following products: Oxides of carbon and nitrogen. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken If Material is Released or Spilled:

Dilute with large quantities of water. Collect in suitable and properly labeled containers. Wash water should be disposed of in accordance with local regulations. See Section 13, Disposal Considerations, for additional information.

Product Name: UCAR(TM) Latex 6651 S

Effective Date: 03/24/2003

MSDS#: 26357

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Personal Precautions: Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/ or groundwater. See Section 12, Ecological Information.

7. HANDLING AND STORAGE

7.1 HANDLING

General Handling

Avoid breathing vapor from container opening.
Avoid contact with skin and clothing.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.

FOR INDUSTRY USE ONLY.

Ventilation

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

7.2 STORAGE

Store above 4 °C (40 °F). Do not freeze.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 EXPOSURE LIMITS

Component	Exposure Limits	Skin	Form
Ammonia	25 ppm TWA8 ACGIH		
	35 ppm STEL ACGIH		
	50 ppm TWA8 OSHA		
	35 mg/m3 TWA8 OSHA		
2-Ethylhexyl acrylate	5 ppm TWA8 Interim IHG		

Product Name: UCAR(TM) Latex 6651 S Effective Date: 03/24/2003 MSDS#: 26357 Page 6 of 13 25 ppm TWA8 Dow IHG Acrylonitrile 2 ppm TWA8 ACGIH Yes 2 ppm TWA8 OSHA Yes no eye or skin contact 1 ppm Action Level OSHA Yes no eye or skin contact 10 ppm CEILING OSHA Yes no eye or skin contact 1 ppm TWA8 Dow IHG Yes 10 ppm Excursion Limit Dow Yes IHG

In the Exposure Limits Chart above, if there is no specific qualifier (i.e., Aerosol) listed in the Form Column for a particular limit, the listed limit includes all airborne forms of the substance that can be inhaled.

A "Yes" in the Skin Column indicates a potential significant contribution to overall exposure by the cutaneous (skin) route, including mucous membranes and the eyes, either by contact with vapors or by direct skin contact with the substance. A "Blank" in the Skin Column indicates that exposure by the cutaneous (skin) route is not a potential significant contributor to overall exposure.

"Interim IHGs" are occupational exposure limits set by the original owner of this product prior to the merger with Dow. These limits have not been reviewed per the Dow IHG process, but are utilized during this period of merger integration until Dow can formally adopt or modify.

8.2 PERSONAL PROTECTION

Respiratory Protection:

Atmospheric levels should be maintained below the exposure

auideline.

When airborne exposure guidelines and/or comfort levels may be

exceeded, use an approved air-purifying respirator.

For emergency response or for situations where the atmospheric level is unknown, use an approved positive-pressure self-contained breathing apparatus or positive-pressure airline with auxiliary self-

contained air supply.

Ventilation:

Provide general and/or local exhaust ventilation to control airborne

levels below the exposure guidelines.

Eye Protection:

Safety glasses or monogoggles, as appropriate

Protective Gloves:

Polyvinyl chloride coated

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8.3 ENGINEERING CONTROLS

Product Name: UCAR(TM) Latex 6651 S

Effective Date: 03/24/2003

MSDS#: 26357

Page 7 of 13

Avoid inhalation of product spray through the use of engineering controls. General (mechanical) room ventilation is expected to be satisfactory. Use local exhaust if needed to control mist or vapor.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: White

Odor: Mild

Flash Point - Closed Cup:

Not applicable.

Flammable Limits In Air:

Lower

Not Determined, Aqueous System

Upper

Not Determined, Aqueous System

Autoignition Temperature:

No test data available.

Vapor Pressure:

18 mmHg 20 °C

Boiling Point (760 mmHg): ~100 °C ~212 °F

Vapor Density (air = 1):

Specific Gravity (H2O = 1):

32 °F

Freezing Point:

0 °C

Melting Point: Not applicable (for liquids)

Solubility in Water (by weight):

Completely miscible

pH: 7.5 Approx.

Evaporation Rate (Butyl Acetate = 1):

Dynamic Viscosity: 400 cps Approx.

Product Name: UCAR(TM) Latex 6651 S

Effective Date: 03/24/2003

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Page 8 of 13

10. STABILITY AND REACTIVITY

10.1 STABILITY/INSTABILITY Stable

10.2 HAZARDOUS POLYMERIZATION Will not occur

11. TOXICOLOGICAL INFORMATION

Information on analogous products shows minimal toxicity concerns.

ACUTE TOXICITY

Peroral

Rat; LD50 = > 2000 mg/kg

Percutaneous

Rat: LD50 = > 2000 mg/kg

SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMANS

Trace amounts of formaldehyde may be generated under acid conditions. Maintain adequate ventilation under these conditions to prevent exposure above the current OSHA limits. 2-Ethylhexyl acrylate (EHA), used in the manufacture of this product, has been shown to cause cancer in laboratory animals, based on chronic skin painting studies in mice. Although there is no evidence that EHA causes cancer in humans, skin contact should be avoided, and the material should be handled with ventilation adequate to keep the atmospheric concentration of EHA below 5 ppm.

This latex contains less than 10 ppm acrylonitrile. It is exempt from the OSHA acrylonitrile standard 29 CFR 1910.1045, paragraph (a)(2)(ii). Acrylonitrile has been classified by IARC as possibly carcinogenic to humans, by OSHA as carcinogenic, and by NTP as reasonably anticipated to be a human carcinogen.

Product Name: UCAR(TM) Latex 6651 S

Effective Date: 03/24/2003

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12. ECOLOGICAL INFORMATION

12.1 ENVIRONMENTAL FATE

Not toxic to fish or plants. Does not inhibit bacteria in waste treatment facilities. Polymer is not biodegradable. Product is not RCRA hazardous. The following information is based on analogy with a similar material.

BOD (% Oxygen consumption)

Day 5	Day 10	Day 15	Day 20	Day 28/30
			1-8%	

12.2 ECOTOXICITY

Toxicity to Micro-organisms

Result value: > 2000 mg/L

Toxicity to Aquatic Invertebrates

Daphnia; EC50

Result value: > 1000 mg/L

Toxicity to Fish Fathead Minnow; LC50 Result value: > 1000 mg/L

12.3 FURTHER INFORMATION

None.

13. DISPOSAL CONSIDERATIONS

13.1 DISPOSAL

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and

MATERIAL SAFETY DATA SHEET

Product Name: UCAR(TM) Latex 6651 S

Effective Date: 03/24/2003

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compliance with applicable laws are the responsibility solely of the waste generator. DOW HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/ Information on Ingredients). FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: incinerator or other thermal destruction device. As a service to its customers, Dow can provide names of information resources to help identify waste management companies and other facilities which recycle, reprocess or manage chemicals or plastics, and that manage used drums. Telephone Dow's Customer Information Group at 1-800-258-2436 or 1-989-832-1556 (U.S.), or 1-800-331-6451 (Canada) for further details.

14. TRANSPORT INFORMATION

14.1 U.S. D.O.T.

NON-BULK

Proper Shipping Name: NOT REGULATED

BULK

Proper Shipping Name: NOT REGULATED

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

15.1 FEDERAL/NATIONAL

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980 (CERCLA) SECTION 103

MATERIAL SAFETY DATA SHEET

Product Name: UCAR(TM) Latex 6651 S MSDS#: 26357	Effective Date: 03/24/2003 Page 11 of 13
This product contains the following substances subject requirements and are listed in 40 CFR Part 302.4.	ect to CERCLA Section 103 reporting
Nane.	
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 19 COMMUNITY RIGHT TO KNOW ACT) SECTION 302	986 Title III (Emergency Planning and
This product contains the following substances subject requirements and are listed in 40 CFR Part 302.4.	ect to SARA Section 302 reporting
None.	
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 19 COMMUNITY RIGHT TO KNOW ACT) SECTION 313	986 TITLE III (EMERGENCY PLANNING AND
This product contains the following substances subjection 313 of Title III of the Superfund Amendments and Res 372.	
This product does not contain toxic chemicals at lesstatute.	vels which require reporting under the
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1: COMMUNITY RIGHT TO KNOW ACT)SECTIONS 311 AND 312 Delayed (Chronic) Health Hazard: No Fire Hazard: No Immediate (Acute) Health Hazard: No Reactive Hazard: No Sudden Release of Pressure Hazard: No	986 Title III (Emergency Planning and
TOXIC SUBSTANCES CONTROL ACT (TSCA)	
All components of this product are on the TSCA Invercequirements.	entory or are exempt from TSCA inventory

MATERIAL SAFETY DATA SHEET

Product Name: UCAR(TM) Latex 6651 S

Effective Date: 03/24/2003

MSDS#: 26357

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15.2 STATE/LOCAL

PENNSYLVANIA (WORKER AND COMMUNITY RIGHT-TO-KNOW ACT)

The following product components are cited in the Pennsylvania Hazardous Substances List, the Pennsylvania Special Hazardous Substance List, and/or the Pennsylvania Environmental Hazardous Substance list, and are present at levels which require reporting. None.

MASSACHUSETTS (HAZARDOUS SUBSTANCES DISCLOSURE BY EMPLOYERS)

The following components of this product appear on the Massachusetts Substance List and are present at levels which could require identification in the MSDS:

Component

CAS#

Amount

Ammonia Acrylonitrile 7664-41-7

<= 0.0900%

107-13-1

< 0.0010%

CALIFORNIA PROPOSITION 65 (SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986)

This product contains the following chemical(s) known to the State of California to cause cancer:

Component

CAS#

Amount

Acrylonitrile

107-13-1

< 0.0010%

This section provides selected regulatory information on this product including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

16. OTHER INFORMATION

16.1 ADDITIONAL INFORMATION

Additional information on this product may be obtained by calling Dow's Customer Information Group at 1-800-258-2436 (U.S.) or 1-800-331-6451 (Canada).

16.2 HAZARD RATING SYSTEM

MSDS#: 26357

MATERIAL SAFETY DATA SHEET

Product Name: UCAR(TM) Latex 6651 S

Effective Date: 03/24/2003

Page 13 of 13

NFPA ratings for this product are: H-1

R-0

These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

F - 1

16.3 RECOMMENDED USES AND RESTRICTIONS

For industrial use.

16.4 REVISION

Version: 3.0

Revision: 03/24/2003

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this

Tacknikan area in sim

document.

16.5 LEGEND

Bacterial/NA Non Acclimated Bacteria

F Fire

IHG Industrial Hygiene Guideline

H Health

N/A Not available
NFPA National Fire Protection Association

NFPA National Fire Pro
O Oxidizer
R Reactivity
TS Trade secret

VOL/VOL Volume/Volume
W Water Reactive
W/W Weight/Weight

The opinions expressed herein are those of qualified experts within Dow. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the conditions of the use of the product are not under the control of Dow, it is the user's obligation to determine conditions of safe use of the product.

August 23, 2007

CES Environmental Services, Inc. 4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676

To Whom It May Concern:

Brean Opfel

This letter is regarding the profile number 2086 for Trimac Transportation in Beaumont. We would like to amend the constituents to include, UCAR Latex 6651S and Inedible Tallow 0-100% on this profile. If you have any questions please feel free to contact me at 409-363-3389.

Sincerely,

Brian Apfel

Robert Stort

Terminal Manager

Sam Atkinson

bapfel@trimac,com

08/22/2007 12:47 FAX 417 4611075 08/21/2007 04:47 520-626-0219 FARMERS GRAIN EXPRESS
NBP INT SALES

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@ 002/005 PAGE Ø1

Material Safety Data Sheet U.S. Department of Labor May be used to comply with Occupational Safaty and Health Administration CSHA's Hazzra Communication Standard. (Non-Mandatory Form) 29 CRR. 1910,1200. Standard must be Form Approved consulted for specific requirements. OMB No. 1218-0072 INEDIBLE TALLOW Hore: Blank species are not permitted. If any form is not sophissive, or no information is evaluable, the specie must be maked a indicate that. Section 1 Menunecturer's Marie
NATIONAL BEEF PACKING Emergancy Tolegrane Number Address (Number, Stoot, Chy, State, and 219 Cood)
1501 EAST STH, LIBERAL, Telephone Number for Intermedion (316) 626-0647 K5-67901 Dale Preport -91 المراجع ما الما سرافين المصافية Signature of Preparer (epoconal) Section | - Hazardous Ingredients/Identity Information CTINOS COMIDA OSHA PEL Herardous Components (Specific Chemical Identity: Common Name(s)) ACCEPT TLV : % /optone) SUSTANE 3 BHA 8695 ppm per gallon . --.section III - Physical/Chemical Characteristics Specific Grevity (H2O 4 T) --- Boiling Point N/A Vapor Phassure (min Hg.) N/A Vapor Density (AFR - 1) ENSOCIATION PLANE N/A N/A (BUTY! ACELETO . 1) . Sciubility in Wester Appearance and Odor 177.1 ----# 1#6 F () YELLOWISH .. AFFEARANCE Section IV - Fire and Explosion Hazard Data . Fisso Point (Metrico Used) حاسانا والعسسهام 9 VEL 17.5 <u>--- · · 450</u>--500 -. Exitothistics Wears efath to characteria SOOCH FIGHTER FROM CLOTHING AND SELF-CONTAINED BREATHING APPARATUS Unvariation Plan and Explosion Hazirda (Reproduce locally)

08/22/2007 12:47 FAX 417 4611075 FARMERS GRAIN EXPRESS

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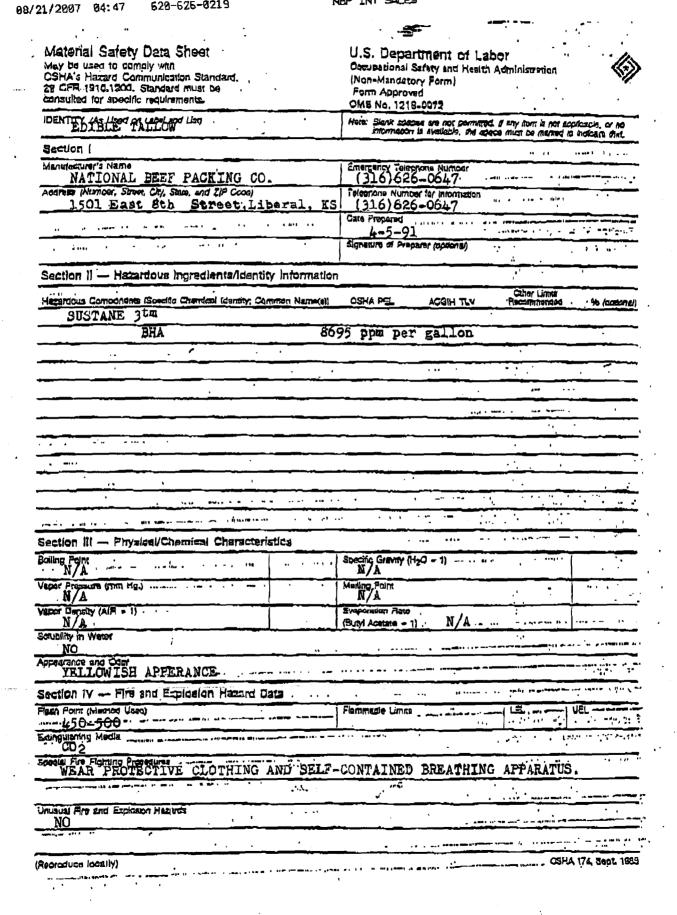
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FARMERS GRAIN EXPRESS

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April 3, 2008

CES Environmental Services, Inc. 4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676

To Whom It May Concern:

This letter is regarding the profile number 2086 for Trimac Transportation in Beaumont. We would like to amend the constituents to include, NOVUS CB2690 (0-100%) on this profile. If you have any questions please feel free to contact me at 409-363-3389.

Sincerely,

Brian Apfel

Terminal Manager



GE Betz

GE Betz, Inc.

4636 Somerton Road Trevose, PA 19053

Business telephone: (215) 355-3300

Material Safety Data Sheet

Issue Date: 01-APR-2004

EMERGENCY TELEPHONE (Health/Accident): (800) 877-1940

1 PRODUCT IDENTIFICATION

PRODUCT NAME:

NOVUS CB2690

PRODUCT APPLICATION AREA:

FLOCCULANT.

2 COMPOSITION / INFORMATION ON INGREDIENTS

Information for specific product ingredients as required by the U.S. OSHA HAZARD COMMUNICATION STANDARD is listed. Refer to additional sections of this MSDS for our assessment of the potential hazards of this formulation.

HAZARDOUS INGREDIENTS:

CAS#

CHEMICAL NAME

7783-20-2

AMMONIUM SULFATE

Irritant (eyes and skin)

No component is considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration at OSHA thresholds for carcinogens.

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION

May cause moderate irritation to the skin. May cause moderate irritation to the eyes. Mists/aerosols may cause irritation to upper respiratory tract.

DOT hazard is not applicable Emergency Response Guide is not applicable Odor: Slight; Appearance: White To Off-White, Dispersion Fire fighters should wear positive pressure self-contained breathing apparatus(full face-piece type). Proper fire-extinguishing media: dry chemical, carbon dioxide, foam or water

POTENTIAL HEALTH EFFECTS

ACUTE SKIN EFFECTS:

Primary route of exposure; May cause moderate irritation to the akin.

ACUTE BYE BFFECTS:

May cause moderate irritation to the eyes.

ACUTE RESPIRATORY EFFECTS:

Mists/aerosols may cause irritation to upper respiratory tract.

INGESTION EFFECTS:

May cause gastrointestinal irritation.

TARGET ORGANS:

No evidence of potential chronic effects.

MEDICAL CONDITIONS AGGRAVATED:

Not known.

SYMPTOMS OF EXPOSURE:

May cause redness or itching of skin.

4 FIRST AID MEASURES

SKIN CONTACT:

Wash thoroughly with soap and water. Remove contaminated clothing. Thoroughly wash clothing before reuse. Get medical attention if irritation develops or persists.

EYE CONTACT:

Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get immediate medical attention.

: Noitalahni

If masal, throat or lung irritation develops - remove to fresh air and get medical attention.

INGESTION:

Do not feed anything by mouth to an unconscious or convulsive victim. Do not induce vomiting. Immediately contact physician. Dilute contents of stomach using 3-4 glasses milk or water. NOTES TO PHYSICIANS:

No special instructions

5 FIRE FIGHTING MEASURES

FIRE FIGHTING INSTRUCTIONS:

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type).

EXTINGUISHING MEDIA:

dry chemical, carbon dioxide, foam or water

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition (destructive fires) yields elemental oxides. FLASH POINT:

> 200F > 93C P-M(CC)

6 ACCIDENTAL RELEASE MEASURES

PROTECTION AND SPILL CONTAINMENT:

Ventilate area. Use specified protective equipment. Contain and absorb on absorbent material. Place in waste disposal container. Flush area with water. Wet area may be slippery. Spread sand/grit. DISPOSAL INSTRUCTIONS:

Water contaminated with this product may be sent to a sanitary sewer treatment facility, in accordance with any local agreement, a permitted waste treatment facility or discharged under a permit. Product as is - Incinerate or land dispose in an approved landfill.

7 HANDLING & STORAGE

HANDLING:

Normal chemical handling.

STORAGE:

Keep containers closed when not in use. Protect from freezing. Do not store at elevated temperatures.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

CHEMICAL NAME

AMMONIUM SULFATE

PEL (OSHA): NOT DETERMINED TLV (ACGIH): NOT DETERMINED

ENGINEERING CONTROLS:

adequate ventilation

PERSONAL PROTECTIVE EQUIPMENT:

Use protective equipment in accordance with 29CFR 1910 Subpart I RESPIRATORY PROTECTION:

A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z86.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.
USE AIR FURIFYING RESPIRATORS WITHIN USE LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR-RESPIRATORS.
If air-purifying respirator use is appropriate, use a

respirator with dust/mist filters.

SKIN PROTECTION:

neoprene gloves -- Wash off after each use. Replace as necessary.

EYE PROTECTION:

splash proof chemical goggles

9 PHYSICAL & CHEMICAL PROPERTIES

 Specific Grav. (70F,21C)
 1.195
 Vapor Pressure (mmHG)
 - 10.0

 Freeze Point (F)
 7
 Vapor Density (air=1)
 < 1.00</td>

 Freeze Point (C)
 -14

 Viscosity(cps 70F,21C)
 60
 % Solubility (water)
 - 10.0

Odor

Appearance
Physical State
Flash Point P-M(CC)
pH 0.5% Sol. (approx.)

Slight
White To Off-White
Dispersion
> 200P > 93C
4.3

Evaporation Rate (Ether=1)

< 1.00

NA = not applicable

ND = not determined

10 STABILITY & REACTIVITY

STABILITY:

Stable under normal storage conditions.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITIES:

Solution of this product will emit sulfur dioxide when heated or acidified. Releases ammonia when made alkaline.

DECOMPOSITION PRODUCTS:

Thermal decomposition (destructive fires) yields elemental oxides. INTERNAL PUMPOUT/CLEANOUT CATEGORIES:

11 TOXICOLOGICAL INFORMATION

Oral LD50 RAT:

>500 mg/kg

NOTE - Estimated value

>1,000 mg/kg

Dermal LD50 RABBIT: NOTE - Estimated value

12 ECOLOGICAL INFORMATION

AQUATIC TOXICOLOGY

Ceriodaphnia 48 Hour Static Renewal Bioassay
LC50= 48.7; No Effect Level= 15 mg/L
Daphnia magna 48 Hour Static Renewal Bioassay
LC50= 60.6; No Effect Level= 6.3 mg/L
Fathead Minnow 96 Hour Static Renewal Bioassay
LC50= 12.3; 15% Mortality= 6.3 mg/L
Rainbow Trout 96 Hour Static Renewal Bioassay
LC50- 1; No Effect Level= .63 mg/L

BIODEGRADATION

BOD-28 (mg/g): 236 BOD-5 (mg/g): 40 COD (mg/g): 258 TOC (mg/g): 137

13 DISPOSAL CONSIDERATIONS

If this undiluted product is discarded as a waste, the US RCRA hazardous waste identification number is :
Not applicable.

Please be advised; however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

بجاء فالمراكزة ومان لمحج والموج والمراز والمواجع المواجع المتبع الكناري والمستوعي المستنوعيسا للم

14 TRANSPORT INFORMATION

DOT HAZARD: Not Applicable UN / NA NUMBER: Not applicable DOT EMERGENCY RESPONSE GUIDE #: Not applicable

15 REGULATORY INFORMATION

TSCA:

All components of this product are listed in the TSCA inventory. CERCLA AND/OR SARA REPORTABLE QUANTITY (RQ):

Treat as oil spill

SARA SECTION 312 HAZARD CLASS:

Immediate (acute)

SARA SECTION 302 CHEMICALS:

No regulated constituent present at OSHA thresholds

SARA SECTION 313 CHEMICALS:

CAS#

CHEMICAL NAME

RANGE

7783-20-2

AMMONIUM SULFATE

21.0-30.0%

CALIFORNIA REGULATORY INFORMATION

CALIFORNIA SAFE DRINKING WATER AND TOXIC

ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT:

This product contains these chemicals known to the state of California to cause cancer and/or reproductive toxicity:

CAS# CHEMICAL NAME

5064-31-3

NITRILOTRIACETIC ACID, TRISODIUM SALT

(NTA.3NA)

MICHIGAN REGULATORY INFORMATION

No regulated constituent present at OSHA thresholds

16 OTHER INFORMATION

NFPA/HMIS

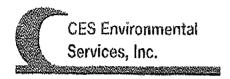
CODE TRANSLATION

Health	2	Moderate Hazard
Fire	1	Slight Hazard
Reactivity	O	Minimal Hazard
Special	NONE	No special Hazard
(1) Protective Equipment	В	Goggles,Gloves

(1) refer to section 8 of MSDS for additional protective equipment recommendations.

CHANGE LOG

	effective Date	REVISIONS TO SECTION:	SUPERCEDES
MSDS status:	10-OCT-1997		** NEW **
	07-JAN-1998		10-OCT-1997
	28-OCT-1998	2,8,15	07-JAN-1998
	01-APR-1999	12	28-OCT-1998
	12-JUN-2000	4,16	01-APR-1999
	20-JUN-2000	2	12-JUN-2000
	07-SEP-2001	2,8	20-JUN-2000
	07-MAY-2002	12 .	07-SEP-2001
	01-APR-2004	15	07-MAY-2002



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-2086	
Customer;	Trimac (Beaumont)	./

Trimac (Beaumont)

Irimac (Beaumont)

Waste Stream Name: Nonhazardous tank heels

Expiration Date: 3/5/2009

Waste Generator:

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

Analysis is NOT required for recertification. No changes, please recertify.

: Please send new profile as waste stream has changed.

anone A Company / Title

Please sumbit results of the following tests.

The following analysis is required for recertification.

TCLP Metals

TCLP Volatiles

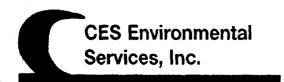
J TCLP Semi-volatiles

Reactivity

: Corrosivity

Ignitability

7° 4'09 4'8'4'54



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Ricky Moore

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2087

Generator: Lousianna Pacific (Silsbee)

Address: 735 Hwy 92 North

Silsbee, TX 77656

Waste Information

Name of Waste: Recyclable hydroc arbon and water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:Oily water from fire sprinklers and oil from machines

Color: dark

Odor: hydrocarbon

pH: 8-12.5

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information				
Company:	Louisiana Pacific				
Address:	P.O. Box 577				
City, State, Zip:	Silsbee, TX 77656				
Contact:	Ricky Moore		Title:	Environme	ental Technician
Phone No:	409-385-1942		Fax No:	409-385-2	1448
24/hr Phone:					
U.S. EPA I.D. No:	TXD008073983				·
State I,D,	30109		SIC Code:	NA	
SECTION 2: Billing Company: Address: City, State, Zip:	Information – 🛭 S	ame as Above			
Contact:		Title:			
Phone No:		Fax No:			
	vclable Hydrocarbon		n fire sprinklers a	nd oil from	machines
Int 1	P+1	_	_		
Physical State:	⊠ Liquid □ Solid	☐ Sludge ☐ Filter Cake	☐ Powder☐ Combination	1	
Color: dark	O	dor: <u>hydrocarbon</u>			
Specific Gravity (wa	ter=1): <u>0.8-1.2</u>	Density: 8 lbs/gal			
Layers:	Single-phase	⊠ Multi-phase			
Container Type: Container Size:	Drum	Tote D	Truck 5000 gal		Other (explain)
Frequency:	☐ Weekly	T Manager E	7	_	_
· •	_ ,	☐ Monthly □	Quarterly		Yearly
Number of Units (con		Other:			
Texas State Waste C	ode No: Rec	yclable			
Proper U.S. DOT Shi	ipping Name:	Recyclable Hydroca	bon and Water M	lixture	
Class: NA	UN/NA				
***	- UNITED		PG: NA		RQ: NA
					
Flash Point	pН	Reactive Sulfides	Reactive Cy	onido-	Calida
None	Ta .	NAmg/I	NAmg/I	4111068	Solids 1-2%
Oil&Grease	TOC	Zinc	Copper	Nick	
>1000mg/l	<1000mg/l	NAmg/I	NAme/I	NAn	

SECTION 4: Physical and Chemical Data

	ROATERS SESSION	of near application	Ents
	The waste consists of the following materials	Ranges are acceptable	or %
Water		85-90	%
Oil		5-10	%
Solids		1-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	TCLP Metals are below regulatory limits ×
TCLP Volatiles:	TCLP Volatiles are below regulatory limits ×
TCLP Semi-Volatiles:	TCLP Semi-Volatiles are below regulatory limits X
Reactivity:	No reactive materials are introduced into the process x
Corrosivity:	pH is Neutral ×
Ignitability:	No ignitable materials are in the process x

SECTION 9: Generator's Certification

Authorized Signature:

Printed Name/Title: Ricky Moore

The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Ces use only (Do Not write in this space)

Compliance Officer: Pathern Change Additional Information:

Date: 3-5-17 Approved Rejected

Approval Number: 2087

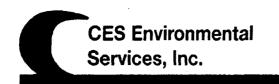
<u>S</u>]	ECTION 10: Waste Receipt Classification Under 40 CFR 437
ls	this material a wastewater or wastewater sludge? YES VO
if	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Met</u>	als Subcategory: Subpart A
—	Succession and the state of the
H	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges
H	Chromate wastes
Ħ	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
Ц	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
H	Vibratory deburring wastewater
L.I	Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
П	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroloum products
H	Oil spill clean-up
	Bilge water
씜	Rinse/wash waters from petroleum sources Interceptor wastes
Ħ	Off-specification fuels
	Underground storage remediation waste
	Tank clean-out from petrolcum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Orga	anics Subcategory: Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bearing wastes
	Off-specification organic product
	Still bottoms
_	Byproduct waste glycol
4	Wastewater from paint washes
=	Wastewater from adhesives and/or epoxies formulation
7	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exces values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
	\boxtimes	Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/15/2007

Dear Robert Ybarra

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2063

Generator: Texas Oil Tools, NOV (Conroe)

Address: 700 Conroe Park North

Conroe, TX 77303

Waste Information

Name of Waste: Empty 55 gallon drums

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Empty drums of which the bulk of the drums last contained oil type products

Color: various

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

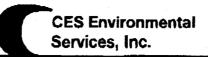
level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

empty



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

(713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com 2063

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Gene	erator Information			
Company:	Texas Oil Tools,	NOV		
Address:	700 Conroe Park			
City, State, Zip:	Conroe, TX 773			
Contact:	Robert Ybarra	· · · · · · · · · · · · · · · · · · ·	Title:	HSE Manager
Phone No:	936-520-5326		Fax No:	
24/hr Phone:	CES-713-676-14	60		
U.S. EPA I.D. No:				
State I.D.	CESQG		SIC Code:	NA
SECTION 2: Billin	a Information	Same as Ahova		
Company:	Texas Oil Tools, N			
Address:	P.O. Box 2488			
City, State, Zip:	Conroe, TX 77305	7488		
Contact:	Robert Ybarra	Title:	HSE Manage	7
Phone No:	936-520-5326	Fax No:	113L Manage	
Phone No:	73(1-32(1-332()	PAX NO:		
CONCENTAL C				
SECTION 3: Gene	ral Description of the	ne Waste		
Name of Waste: En Detailed Description			of which the bulk	of the drums last contained oil type produ
Physical State:	☐ Liquid	☐ Sludge	☐ Powder	
	Solid	☐ Filter Cake	☐ Combination	m.
	M Sound	I Filter Cake	Combinatio	
Color: various		Odor: nonc		
Specific Gravity (wa	nter=1): <u>1.2</u>	Density: 10 lbs/gal		
Layers:	Single-phase	Multi-phase		
Container Type:	⊠ Drum	☐ Tote	Truck	Other (explain)
Container Size:				
Continue Sixti				
Frequency:	☐ Weckly	Monthly	Quarterly	Yearly
		 ·	<u> </u>	1011.
Number of Units (ce		Other:		
Texas State Waste	Code No: N	A-Recyclable Material		
Proper U.S. DOT 53	ipping Name:	Non-RCRA, Non-D	OT Regulated M	aterial
Class: NA	UN/N	IA: NA	PG: NA	RQ: NA
			T	
Flash Point	pH	Reactive Sulfides	Reactive C	yanides Solids
>140	neutral	<u>O</u> mg/l	0mg/l	100%
Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/I	>1500mg/l	Omg/I	Qmg/l	Qmg/l

SECTION 4: Physical and Chemical Data

CHOICE CONTRACTOR CONT	211(K)	20 13 1 K
The waste consists of the following materials	Ranges are acceptable	or %
Empty Metal Drums	80-100	%
Empty Poly Drums	0-20	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level $\underline{\mathbf{D}}$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	X
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signs Printed Name/Ti	tle: Robers	Ybarra H	SE MANAGE	
CES USE CNLY (DO				
Compliance Office	or: <u>Polh</u> e	hitharga_	Additional Information:	
Date: 1-19	5-07	(Approved Rejected	REC_	
Approval Number	2063			7

<u>s</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
 If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Mei	als Subcategory: Subpurt A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Orga	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-apecification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxics formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L.
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
Metals Subcategory
Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

JR 6B



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-2063

Customer:

Texas Oil Tools, NOV (Conroe)

Waste Generator:

Texas Oil Tools, NOV (Conroe)

Waste Stream Name:

Empty 55 gallon drums

Expiration Date:

2/15/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

Towas Oil Tools

Customer Name

Signature

HSEQ Compliance, TO

4/28/09

Date

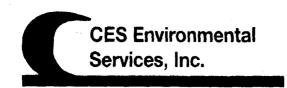
Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles

TCLP Semi-ve Reactivity

Corrosivity Ignitability



Waste Pre-Acceptance/Approval Letter

Date 2/16/2007

Dear Daria Partovi

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2064

Generator: Louisiana Pacific Carthage OSB Plant

Address: 1199 County Road 201

Carthage, TX 75633

Waste Information

Name of Waste: WESP blowdown water

TCEQ Waste Code #: 00171151

Container Type:

Detailed Description of Process Generating Waste:

Quench water from WESP. Exhaust from wood burning dryers are routed through the precipitator where it is quenched with water to help remove solids. The water is recycled A portion of the water must be removed and replaced.

Color: dark brown to black

Odor: slight

pH: 6-10

Physical State:

Incompatibilities: none known

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



Houston, TX 77021

4904 Griggs Road Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com 2064 TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene						
Company:		, Carthage OSB PI	ani			
Address:	1199 County Roa					
City, State, Zip:	Carthage, Texas	/5633		/D'41.	101 17	
Contact:	Daria Partovi			Title:	903-694	vironmental Manager
Phone No:	903-694-2414		·	Fax No:	903-094	-2303
24/hr Phone: U.S. EPA I.D. No:	903-694-2414 TXR000021212		# 	-		
State l.D.	85082			SIC Code:	2493	
State I.D.	93002			Sic Code.	2-173	
SECTION 2: Billing	e Information ~ 🗍	Same as Above				
Company:	Louisiana Pacific, C		:			
Address:	1199 County Road					
City, State, Zip:	Carthage, Texas 750					
Contact:	Bill Humphries		Title:	Supply Mana	ger	
Phone No:	903-694-2414		Fax No;	903-694-292:	3	
	or where it is guencl		elp remove		iter is recyc	om wood burning dryers are routed led. A portion of the water must be
Color: <u>Dark Brown-t</u>	o Black	Odor: <u>slight</u>				
Specific Gravity (wa	ter=1): <u>1-1.1</u>	Density: <u>8.34</u>	lbs/gai			
Layers:	⊠ Single-phase	☐ Mult	i-phase			
Container Type: S Container Size:	Drum	Tote		Truck 5000 gal		Other (explain)
Number of Units (co	· -	Monthly Other:	⊠	Quarterly		Yearly
Texas State Waste C	oge No: 00	0171151				
Proper U.S. DOT Sh	ipping Name:	Non-RCRA	Non DO	regulated was	lewater	
Class: NA	UN/N	A: NA		PG: NA		RQ: NA
Flash Point	pH	Reactive Sulfide		Reactive C	yanides	Solids
>180	6-10	Omg/i		Om g/l		10-15%

Oil&Grease	TOC	Zinc	Copper	Nickel
<u><100</u> mg/l	Variesmg/I	<u>NA</u> mg/I	NAmg/I	NAmg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	70-90	%
Solids (wood particles, wood ash & fines)	10-15	%
Neutralized sodium and potasium hydrauxide	2-3	%υ
Antifoam	Less than 1.0	%
Pine tar (emulsified in water)	5-15%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. WESPgaurd MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

None

TCLP Volatiles:

None None

TCLP Semi-Volatiles: Reactivity:

Not Reactive

Corrosivity:

Not corrosive

Ignitability:

Not Ingnitable

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔯 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Date: 2-15-07

Printed Name/Title: Daria Partovi

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Low Change de la Compliance Officer: Approved Rejected	Process Facility Information: Pricing \$0.15-0.30/gai-defermined upon 18+1000, \$1.95/mile
Approval Number: 2064	11

Ş	ECTION 10: Waste Receipt Classification Under 40 CFR 4	437	
Is	this material a wastewater or wastewater sludge? 🗵 YES	□ NO	
lt	'Yes', complete this section.		
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGOR :, GO TO THE N	VEXT PAGE.
Met	uls Suboutegory: Subpart A	8	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi		
<u>Oils</u>	Subcategory: Subpart B		
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	S	
<u>Orga</u>	nics Subcategory: Subpart C		
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation	urces	
	Wastewater from organic chemical product operations Teak clean-out from organic, non-petroleum sources		





P.O. Box 9000 -- Kilgore, TX 75663-9000

903/984-0551 FAX 903/984-5914

Page 1 of 16

TEST REPORT: 372714

Louisiana Pacific P. O. Box 688 Carthage, TX 75633 Attention: Daria Partovia

Sample Identification: Wet ESP Centrifuge Waste Resin

Date & Time Taken:

05/08/98

1040

Collected By:

DARIA

Sample Matrix:

Solid

Received:

05/11/98

Client: LOU1

Report Date: 05/26/98

Results for Sample 372714

Parameter	Result	Unit	MAL
01 Total Selids	64	%	7 (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
2. Heating:Value	7263	ВТИЛЬ	100
3 Density	1.0730	g/ac	
4 [gnitbility (Reg.Limit 140.0 F)	≥ 18Q	Degrees F	100 00 00 00 00 00 00 00 00 00 00 00 00
5 pH Measured In Water	6.9	SU	warming the second
Hydrogen Sulfide	190 *	mg/kg	2.3
TCLP Antimony	ND	mg/l	0.250
TCLP Arsenic (Reg. Limit 5.0)	ND	mg/l	0.500
TCLP Barium (Reg. Limit 100.0)	0.615	mg/t	0.0500
). TCLP Beryllum	y ND	mg/L	0.0500
TCLP Cadmium (Reg. Limit (1.0)	NO -	mg/k	0.0500
TCLP Chromium (Reg. Limit 5:0)	a ND	mg/L	Q.100
TCLP Lead (Reg. Limit 5.0)	ND	mg/f ₂	0.250
TELP Nickel	ND ND	mg/f	0.200
TCLP Selenium (Reg. Limit 1.0)	ON	mg/L	0.250
TCLP Silver (Reg. Limit 5.0)	ND	mg/l	0:0500
Reactivity Cyanide (RL 250)	ND*	mg/kg	16
TGLP Mercury (Reg. Limit 0.2)	ND	mg//	0.0030
TCLP 1,2-Dichleroethane (RU 5)	ND:	mg/L	0.1
TCLP 1:1-Dichloroethene (.7)	ND	mg/L	0.1
	ND	mg/L	0.1
TCLP Carbon Tetrachloride (.5)	ND.	mg/L	0.1
TCLP Chlorobenzene (Limit 100).	ND	mgÆ	0.1
TCLR Chloroform (Reg. Limit 6:0) TCLR MEK (Reg. Limit 200)	ON	mg/L	0.1
TCLP MEK (Reg. Limit 200)	ND.	≋mg/L	2.00
TCLP Tetrachtorpethylene (.7)	, on	mg/L *	0.1
TCLP Trichlorosthylene (5)	ND		0.1
TCLP Viny: Chloride (:4)	ND:	/Lem	0.2
TCLR 1,4-Dichlorobenzene	ND.	mg/L	0.1
FCLP 2,4-Dinitrotaluene (* 13)	ND	mg/L	0.1



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Continued

05/12/5007 15:24



LP CORP - CARTHAGE

9036942563



P.O. Box 9000 -- Kilgore, TX 75663-9000

903/984-0551 FAX 903/984-5914

Page 2 of 16 TEST REPORT: 372714

Results for Sample 372714

Parameter	Result	Unit	MAL
031 TCLP Hexachlorethane (Limit 3)	ND	mg/L	0.1
032 TCLP Hexachloroberzene (; 13)	ND	mg/L	0.1
033 TCLP Hexachlorobutadiene (:5)	ND.	₽9/L	0.1
Q34 TCLP:Nitrobenzene (Limit-2)	NO "	mg/L	0.4
035 TCLP Pentachlorophenol (100)		mg/L	0.5
036 TCLP Pyridine (Reg. Limit 5)	DN	.mg/L	0.1
037 TCLP Total Cresols (Reg Lim 200)	ND ×	mg/L	0.1
038 TCLP 2.4.6-Trichlorophenol (2)	NO.	/mg/L	10.1
039 TCLR-2,4,5-Trichtorophenol (400)	ND.	∦mg/L	0.1
040: Cyanide 041: Reactivity	5.2 * Non-Reactive	mg/kg	0.39
042 Reactivity Sulfide (RL 500)	ND*	malka	39.1
043 Corrosivity:	Non-corrosive	## !!!!/A	99.4 3 00.7

Analytical Details for Sample 372714

	Parameter	ÇAS	Method	Bottle	Analyzed	Ву
001	Total Solids		APHA 18th 2540 G	01	05/13/98 1615	BAP
002	Heating Value		ASTM D 2015	01	05/13/98 0830	BAP
003	Density		ASTM D3505 MOD	01	05/18/98 1050	RGB
004	Ignitibility (Reg.Limit 140,0 F)		EPA 1010	01	05/14/98 1045	BAP
005	pH Measured in Water		EPA 90458	01	05/11/98 1415	LMK
006	Hydrogen Sulfide		EPA Method 376.2	18	05/18/98 1500	RSV
007	TCLP Antimony	7440-36-0	EPA Method 6010B	09	05/21/98 0900	WOB
008	TCLP Arsenic (Reg. Limit 5.0)	7440-36-2	EPA Method 5010B	09	05/13/98 0907	WOB
009	TCLP Barium (Reg. Limit 100.0)	7440-39-3	EPA Method 6010B	09	05/13/98 0907	WOB
010	TCLP Beryllium	7440-41-7	EPA Method 6010B	09	05/21/98 0900	WOB
011	TCLP Cadmium (Reg. Limit 1.0)	7440-43-9	EPA Method 6010B	09	05/13/98 0907	WOB
012	TCLP Chromium (Reg. Limit 5.0)	7440-47-3	EPA Method 60109	09	05/13/98 0907	WOB
013	TCLP Lead (Reg. Limit 5.0)	7439-92-1	EPA Method 60108	09	05/13/98 0907	WOB
014	TCLP Nickel	7440-02-0	EPA Method 6010B	09	05/19/98 1001	WOB
015	TCLP Selenium (Reg. Limit 1.0)	7782-49-2	EPA Method 6010B	09	05/13/98 0907	WOB
016	TCLP Silver (Reg. Limit 5.0)	7440-22-4	EPA Method 6010B	09	05/13/98 0907	WOB
017	Reactivity Cyanide (RL 250)		EPA Method 7.3.3	07	05/13/98 0900	RSV
018	TCLP Mercury (Reg. Limit 0.2)	7 439 - 87 -6	EPA Method 7470A	14	05/14/98 0947	WOB
019	TCLP 1,2-Dichloroethane (RL .5)	107-06-2	EPA Method 8260B	06	05/15/98 1705	KLB
020	TCLP 1,1-Dichloroethene (.7)	75-34-3	EPA Method 8260E	06 '	05/15/98 1705	KLB
021	CLP Benzene (Reg. Limit 0.5)	71-43-2	EPA Method 8260B	06	05/15/98 1705	KLB
022	FCLP Carbon Tetrachloride (.5)	56-23-5	EPA Method 8260B	06	05/15/98 1705	KLB
023	TCLP Chlorobenzene (Limit 100)	108-90-7	EPA Method 8260B	06	05/15/98 1705	. KLB
024	TCLP Chloroform (Reg. Limit 6.0)	67-66-3	EPA Method 8260B	06	05/15/98 1705	KLB



Corporate Shipping: 2600 Dudley Rd., Kilgore, TX 75662 - http://www.ana-lab.com Continued ACIL

Material Safety Data Sheet

WESPGUARD 8100

	PR	ODUCT IDENTIFICA	ITION	
Manufacturer's name:				
Manufacturer's address:.	**************************************		y, W4 Industrial Park, Fort Sas	katchewan, Alberta. T81
		2N9.		
EMERGENCY PHONE NUMBER		780 998-377)		
	WH	MIS CLASSIFICATIO	ON: E.	
PRODUCT USE:	eeccagatgagade(11149919191	WESP TREAT	TMENT	
	НА	ZARDOUS INGREDI	ENTS	
HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	LD_{90}	LC _{so}
Potassium hydroxide	7-13	1310-58-3	273 mg/kg (rat oral)	Not available
		PHYSICAL DATA		
				The second secon
PHYSICAL STATE:				
DOUR AND APPEARANCE:				our.
DOUR THRESHOLD:			•	
OILING POINT:				
APOUR PRESSURE:				
APOUR DENSITY (AIR=1):			vailable	
PECIFIC GRAVITY:			4	
EVAPORATION RATE:				
REEZING POINT:				
H:	****************		oncentrate)	1
COEFFICIENT OF WATER/OIL I	DISTRIBUTION	i	vailable	
	FIRE,	and explosion H	AZARD	
		7.7		
ONDITIONS OF FLAMMABILI				
LASHPOINT:				
IEANS OF EXTINCTION:				
AZARDOUS COMBUSTION PRO			A -	
XFLOSION HAZARDS:				
PPER FLAMMABLE LIMIT:				
OWER FLAMMABLE LIMIT:				
LETO-IGNITION TEMPERATUR ENSITIVITY TO STATIC DISCH				
ENSITIVITY TO STATIC DISCH	LARGE:	······································	ž. bbtrceote ≟	
and the second s				
	· · · · · · · · · · · · · · · · · · ·	REACTIVITY DATA		

PAGE 1 of 3

Material Safety Data Sheet

WESPGUARD 8100

CONDITIONS OF REACTIVITY:					
INCOMPATIBLE MATERIALS:					
HAZARDOUS DECOMPOSITION PRODUCTS:					
TOXICOLOG	GICAL PROPERTIES				
ROUTES OF ENTRY					
SKIN ABSORPTION:	length of contact, this product can be destructive to tissue, and can cause severe burns.				
NHALATION:					
INGESTION:					
ACUTE OVER EXPOSURE;					
CHRONIC OVER EXPOSURE:					
IRRITANCY:					
SENSITIZATION:					
CARCINOGENICITY AND REPRODUCTIVE EFFECTS					

PREVENTATIVE MEASURES

TOXICOLOGICALLY SYNERGISTIC PRODUCTS:Not available

PERSONAL PROTECTIVE EQUIPMENT:	. Use chemical goggles and wear rubber gloves when handling this product to prevent eye and skin contact.
ENGINEERING CONTROLS:	
LEAK AND SPILL PROCEDURES:	
	contaminated absorbent in accordance with all local
	covironmental regulations.
WASTE DISPOSAL:	. Dispose of waste material in accordance with all local
	environmental regulations.
HANDLING PROCEDURES AND EQUIPMENT:	
	material. Contaminated clothing must be laundered before
w _i	wearing.
STORAGE REQUIREMENTS:	
SPECIAL SHIPPING INFORMATION:	.UN1814
	POTASSIUM HYDROXIDE, SOLUTION
A Vive	Class 8 Packing Group III

FIRST AID MEASURES

PAGE 2 of 3

Material Safety Data Sheet

WESPGUARD 8100

PREPARATION INFORMATION

PREPARED BY: Technical Service Department

DISCLAIMER

The information contained herein has been obtained from sources believed to be reliable. Guardian Chemicals Inc. provides no warranties express or implied and assumes no responsibility for the accuracy or completeness of the data provided.



Fax

This cover plus 4 pages to follow.

DATE

Pebruary 1, 2007

TO

Dana Carter

FAX

713-676-1676

PHONE

FROM

Ricky Moore - LP Silsbee

RE

Profile re-cert and MSDS

Thanks

Ricky

Privacy and Considerate Notice. The information contained in this communication is confiderable and intended solely for the use of the individual to whom it is addressed and others authorized to receive it. If you are not the intended recipient, any disclosure, distribution or taking of any action in retiance on the contents of the information is prohibited, if you have received this communication in error, please immediately notify the sender at the phono number indicated, and return the original massage and documents via mail to the sender.

ADDRESS P.O. 8nx 577
735 Hwy 92 N
Silebee, TX 77666
TEL 409-885-1942
FAX 408-385-7077
WEB ficky.moore@ipcorp.com



Waste Pre-Acceptance/Approval Letter

Date 2/15/2007

Dear Phillip Holcomb

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2065

Generator: Phillips Waste Oil **Address:** 150 Castleberry

Shepard, TX 77371

Waste Information

Name of Waste: Oil and water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Clean up of oil spill

Color: brown

Odor: oil like

pH: 6-8

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General Company:	ator Information	laste 0:1		
Address:	P. O. Box 15.	51 150 Castleber	Q/	
City, State, Zip:	Shephard,			
Contact:	Phillip Hole		Title:	
Phone No:	832-527-15		Fax No:	
24/hr Phone:	409-935-51	<u> </u>		
U.S. EPA I.D. No:	TXD9879914			
State I.D.	41636		SIC Code: NA	
	77000		<u> </u>	
SECTION 2: Billing	Information - S	ame as Above		
	Phillip's Wast			
	10. Box 1551			
	hepherd, Tx	77371	· · · · · · · · · · · · · · · · · · ·	
Contact:	hillip Hulcom		······································	· · · · · · · · · · · · · · · · · · ·
Phone No:	32-527-1517		409-935-5155	
<u> </u>	22 32 7 7 7			
SECTION 3: Genera	al Description of the	Waste		
Name of Waste: Dir	l and water			
Datailed Description	of Process Cenerati	ng Waste: Clean up	of oil spill	
Detaned Description	of Frocess Generation	ing waste. Or or	•	
Physical State:	☑ Liquid	Sludge	Powder	
i nysicai State.	_		<u>-</u> -	
	☐ Solid	Filter Cake	Combination	
Color: bnown	o	dor: Oillike		
Specific Gravity (wat	er=1): <u>.9-</u> /	Density: 8 lbs/gal		
Layers:	Single-phase	Multi-phase		
C	Drum	☑ Tote ☑	Truck	Other (explain)
Container Type:	☑ Drum	I Tote		Other (explain)
Container Size:			5000	
Frequency:	☐ Weekly	Monthly	Quarterly	Yearly
Number of Units (con		Other:		•
·				
Texas State Waste Co	ode No: $\sqrt{\frac{1}{1}}$	ecycle		
Proper U.S. DOT Shi			il water mixture	
Class: NA	UN/NA		PG: NA	RQ: NA
104		10/1		
		·.		
Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
7150	6-8	<u>/)</u> mg/l	mg/l	<u>D_%</u>
Oil&Grease	TOC	1 - 1	- 7	ickel
71500mg/l	71500mg/1	mg/l	(<u>)</u> _mg/l	<u>⊘</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
water	95-100	90
usaoil	0-5	90

SECTION 5:	Safety Rel	ated Data
------------	------------	-----------

If the handling	of this waste	requires the u	ise of special	protective e	quipment,	please explain.
MONE						

SE	CTI	ON (5:	Attached	Supp	orting	Documents

List all do	cuments,	notes, data	, and/or an	alysis attached	to this form	as part of the	waste approval	package.
HOTTE	Chlos	- D-TE	ect	•		-		• -

SECTION 7: Incompatibilities

TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles:

Please list all incompatibilities (if any): <u>Oxidizers</u>

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

Reactivity: Corrosivity: Ignitability:	X X X			
SECTION 9: Gen	erator's Certification	<u>a</u>		
	ntained herein is base is complete and ac			

attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Date: 1/29/07

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Landa A.	Additional Information:
Date: 2-15-07 Approved Rejected	REC
Approval Number: 2065	

<u>SI</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
Pl	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or openies formulation
	Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic pop-petroleum sources

(1)	If the waste contains o	oil and grease at or in e	excess of 100 mg/L, the was	ste should be classified in the	oils subcategory.
-----	-------------------------	---------------------------	-----------------------------	---------------------------------	-------------------

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

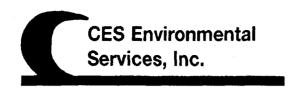
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o
	nickel above any of the values listed above, the waste should be classified in the organics subcategory.

	Metals Subcategory
V	Oils Subcategory
П	Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/19/2007

Dear Bill Swain (MC 39A)

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2066

Generator: Smith International **Address:** 16740 Hardy Street

Houston, TX 77032

Waste Information

penetrant

Name of Waste: Zyglo peetant ZL-67

TCEQ Waste Code #: 00842191

Container Type:

Detailed Description of Process Generating Waste:

Material used as a coating to identify stress fractures in metal, material is collected in 55

gallon drums

Color: yellowish

Odor: none

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



____ a

4904 Griggs Road

Houston, TX 77021 Fax: (713) 676-1676

Phone: (713) 676-1460

http://www.cesenvironmental.com 2066 TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:	Smith Internationa	l, Inc.		
Address:	16740 Hardy Stree	et		
City, State, Zip:	Houston, TX 7703	32		
Contact:	Bill Swain		Title:	Environmental Coordinator
Phone No:	281-233-5654		Fax No:	281-233-5601
24/hr Phone:	CES-713-676-146	0	_	
U.S. EPA I.D. No:	TXD000729426		_	Λ.
State I.D.	30682		SIC Code:	$\Delta \Omega$
			_ ~~~	TV 1
SECTION 2: Billing	Information – 🗆 S	Same as Above		
	Smith International,			
	P.O. Box 60068			
	Houston, TX 77205			
• • • • -	Bill Swain	Title:	Environmenta	l Coordinator
_	281-233-5654	Fax No:	281-233-5601	Coordinator
riione No.	281-233-3034	rax 110.	281-233-3001	
CECTION 2. C	-1 D	. ***/		
SECTION 3: Gener	al Description of the	e waste		
Name of Works, 700	la Damatuant 71 67			
Name of Waste: Zyg		Wester Metanial and a		utificatures frontings in mostal measural is
		ing waste: iviateriai used a	s a coating to ide	ntify stress fractures in metal, material is
collected in 55 gallon	<u>arums.</u>			
Dhamiaal Ctatas	□ 1:		Powder	
Physical State:	∠ Liquid ✓ Liquid Liquid	☐ Sludge [
	Solid Solid	Filter Cake	Combination	1
Color: yellowish	(Odor: <u>none</u>		
Specific Gravity (was	ter=1): .90-1.0	Density: 8 lbs/gal		
	,	<i>v</i> = 0		
Lavares	Single-phase ■ Sing	Multi-phase		
Layers:	⊠ Single-phase	widiti-phase		
	577 ~		7 ·	
Container Type:	□ Drum	Tote	Truck	Other (explain)
Container Size:	<u>55 gal</u>		·	
_	[7]		1 0	
Frequency:	⊠ Weekly	Monthly	Quarterly	Yearly
Number of Units (con	ntainers): <u>1-5</u>	Other:		
Texas State Waste Co	ode No:	0842191		
D		<u> </u>	T Degulated Ma	torial
Proper U.S. DOT Shi	ipping Name:	Non-RCRA; Non-DC	71 Regulated Ma	
Class: NA	UN/N	A: NA	PG: NA	RQ: NA
				
				· ·
Flash Point	pH	Reactive Sulfides	Reactive Cy	yanides Solids
>140	neutral	0mg/l	0mg/l	<2%
Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	<u>0</u> mg/l	<u>O</u> mg/l	Omg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units		
The waste consists of the following materials		Ranges are acceptable	or %	
Zyglo Penetrant ZL-67 Contains		90-99	%	
Secondary Alcohol Ethoxylate	40-70%	***************************************		
Alcohols C6-10 Ethoxyl				
Poly (Oxy-1,2-ethanediyl),alpha-(nonylphenyl)-omega-hydrox	y 7-13 %			
Pentanedioic acid, dimethyl ester	1-5 %			
Oil and water		1-10	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level \underline{D}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. \underline{MSDS}

SECTION 7: Incompatibilities

TCLP Metals:

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

 $\underline{\mathbf{X}}$

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

ve and willful aterials
1

	SECTION 10: Waste Receipt Classification Under 40 CFR 437
	Is this material a wastewater or wastewater sludge? YES NO
	If 'Yes', complete this section.
	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
M	letals Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>o</u>	ils Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>01</u>	rganics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



MATERIAL SAFETY DATA SHEET

ZYGLO" PENETRANT ZL-67

IDENTIFICATION

Company:

MAGNAFLUX

Address:

3624 West Lake Avenue, Glenview, Illinois 60026

Telephone No.:

847-657-5300 (Off-Hour Emergency Number - CHEMTREC - 1-800-424-9300).

Product Use:

Fluorescent inspection penetrant

Packages: NFPA Rating: 1 gallon cans, 5 gallon pails, 20 and 55 gallon drums, 250-300 gallon totes. Health 1, Flammability 1, Reactivity 0

PIN (Canada):

None

Revision Date:

August 24, 2005

HAZARDOUS INGREDIENTS 2.

Ingredient	Wt./Wt. %	CAS#	TLV	PEL	LD50	LC50
Secondary Alcohol Ethoxylate	40-70	84133-50-6	Not avail.	Not avail.	8.57 ml/kg (oral/rat)	Not avail.
Alcohols, C6-10, Ethoxyl	10-30	68987-81-5	Not avail.	Not avail.	Not avail.	Not avail. 4.8 mg/L
Poly (oxy-1,2-ethanediyl),alpha-(nonylphenyl)-					2 g/kg	(96hr/Flathe
omega-hydroxy	7-13	9016-45-9	not avail.	not avail.	(oral/rat)	ad Minnow)
Pentanedioic acid, dimethyl ester	1-5	1119-40-0	not avail.	not avail.	not avail.	not avail.

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Bland oily liquid which may irritate the skin and eyes. Difficult to ignite. but will burn vigorously if engulfed in fire.

POTENTIAL HEALTH EFFECTS

Skin Contact:

Can irritate by removing natural skin oils on long or repeated exposures.

Eyes:

Irritating

Inhalation:

Not significant. When heated or sprayed, ZL-67 vapors may cause dizziness and nausea

Ingestion:

Not significant in small (mouthful) amounts.

Medical conditions known to be aggravated by exposure to product:

FIRST AID

Skin Contact:

Wash off with soap and water. Use soothing lotion.

Eyes:

Rinse carefully under upper and lower eyelids using plenty of water.

Inhalation:

Remove to fresh air if dizzy or nauseated.

Ingestion:

Do not induce vomiting. Accidental ingestion of a small mouthful is not expected to cause significant harm.

NOTE: In all severe cases, contact physician immediately. Local telephone operators can furnish number of regional poison control center.

FIRE HAZARD

Conditions of flammability:

Heating above 200°F (93°C) in presence of ignition sources.

Flash point (Bulk): Flammable limits in air: Minimum 200°F (93°C) (Pensky-Martens closed cup). 1% to 6%

Extinguishing media:

Carbon dioxide, foam. Keep containers cool with water spray.

Special fire fighting procedures: Hazardous combustion products:

Smoke, soot, oxides of carbon and nitrogen.

Unusual fire hazards:

ACCIDENTAL RELEASE MEASURES

Mop up or sweep up with absorbent. (For disposal, see Section 13.)

HANDLING AND STORAGE

Avoid breathing spray mist.

Avoid repeated or prolonged skin contact.

Avoid eye contact.

Store away from heat source.

Page 1 of 2 (ZL-67)

8 **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Controls. Personal protection:

None, unless applied as spray. Use where ventilation will carry spray mist away from occupied areas. Wear safety glasses to protect eyes. Wear nitrile rubber gloves if hand exposure is unavoidable.

Respirator with filter if sprayed in enclosed, unventilated space.

PHYSICAL PROPERTIES

Initial boiling point (bulk):

Percent volatile: Density/sp. gravity: Water solubility:

None 0.99

0 (emulsifies into water) Neutral

Vapor pressure:

<0.10mm @ 70°F(21°C)

Vapor density: Heavier than air Negligible Evaporation rate: Appearance:

Green, oily liquid

Min. 455° F (235° C) (ASTM D-86)

Odor:

Mild odor

STABILITY AND REACTIVITY 10.

Stability:

pH:

Incompatibility:

Stable None

Hazardous decomposition products:

Reactivity:

Soot, oxides of carbon and nitrogen if heated to combustion temperature.

TOXICOLOGICAL INFORMATION

Carcinogenicity: Threshold limit value: Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.

5 mg/m3 for oily mist.

WHMIS information (Canada):

According to available information, the ingredients have not been found to show reproductive toxicity,

teratogenicity, mutagenicity, skin sensitization, or synergistic toxic effects with other materials.

ECOLOGICAL INFORMATION

Because it contains 10% or more of a marine pollutant (Alcohol C6-C17 (secondary) poly (3-6) ethoxylate), ZL-67 is itself considered a marine pollutant. It emulsifies into water and is biodegradable. Its low bulk vapor pressure may exempt it from VOC restrictions.

13 **DISPOSAL**

As a non-hazardous oily waste, incinerate or send to waste handler who can blend it into secondary fuels.

RCRA:

Not a hazardous waste

U.S. EPA Waste Number:

Proper shipping name:

Hazard class or division:

Identification No.:

Other Information:

Packing Group:

None

TRANSPORTATION

U.S. DOT: 49 CFR 172.101 Hazardous Materials Table

Technical Name of Hazardous Component(s):

Non-Bulk and Non-Vessel

None, not restricted None

None None

None None **Bulk or Vessel**

Environmentally hazardous substance Liquid, n.o.s. Alcohol C6-C17 (secondary) poly (3-6) ethoxylate

UN 3082

Ш

This product contains 10% or more of a DOT Marine Pollutant (Alcohol C6-C17 (secondary) poly (3-6) ethoxylate).

15. **REGULATORY INFORMATION**

TSCA:

All ingredients are listed in TSCA inventory.

CERCLA:

Not reportable

SARA TITLE III, Section 313: California Proposition 65:

No reportable ingredients Contains nothing on this list

WHMIS Class (Canada):

D-2B

Note: This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.

OTHER INFORMATION

Revision Statement:

Section: 2

Supersedes:

MSDS dated 1/30/03

Prepared by:

Shawn Kilty, Research Chemist

3624 WEST LAKE AVENUE :: GLENVIEW, ILLINOIS 60026 :: TEL (847) 657-5300 :: FAX (847) 657-5388

www.magnaflux.com

Page 2 of 2 (ZL-67)



Atw: Tyra

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-2066

Customer: Smith International

Waste Generator: Smith International

Waste Stream Name: Zyglo penetrant ZL-67

Expiration Date: <u>2/19/2009</u>

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

Customer Name

Ciomotura

Company / Title

Date /

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals

TCLP Volatiles

TCLP Semi-volatiles

Reactivity

Corrosivity

Ignitability

Total P.001



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/19/2007

Dear Mike Manning

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2067

Generator: TIW (South Main) **Address:** 12300 South Main

Houston, TX 77035

Waste Information

Name of Waste: Non-hazardous zinc phosphate solids

TCEQ Waste Code #: 00366031

Container Type:

Detailed Description of Process Generating Waste:Zinc phosphate solids from a zinc phosphating operation

Color: varies

Odor: non

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

(713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com 2961

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Gener	rator Information	, , , ,		
Company:	TIW			
Address:	12300 South Main			
City, State, Zip:	Houston, TX 77035			
Contact:	Mike Manning		Title:	
Phone No:	713-729-2110		- Fax No:	713-728-4767
24/hr Phone:	713-729-2110		_	
U.S. EPA I.D. No:	TXCESQG		-	. A .
State I.D.	30292		SIC Code:	$\mathcal{N}^{\mathcal{K}}$
SECTION 2: Billing Company: Address: City, State, Zip:	z Information − ⊠ S	ame as Above		
Contact:		Title:		
Phone No:		Fax No:		
SECTION 3: Gener Name of Waste: Not Detailed Description	n-Hazardous Zinc PHo		solids from a zi	nc pphosphating operation.
•	-			•
Physical State:	☐ Liquid	Sludge	Powder	
	Solid	Filter Cake	☐ Combinatio	on Control of the Con
Color: Varies	O	dor: None		
Specific Gravity (wa	ter=1): <u>1-1.5</u>	Density: 9 lbs/gal		
Layers:	Single-phase	☐ Multi-phase		
Container Type:	□ Drum	☐ Tote	Truck	Other (explain)
Container Size:	55 G		· · · · · ·	other (explain)
Container Size.	<u>55 G</u>			<u></u>
Frequency: Number of Units (con Texas State Waste Co	• ——	☐ Monthly ⊠ Other:	Quarterly	☐ Yearly
Proper U.S. DOT Shi	ipping Name:	Non-RCRA, Non-DO	T Regulated W	aste Solids
Class: Na	UN/NA	: Na	PG: Na	RQ: Na
Flash Point	- ,	Reactive Sulfides	Reactive C	
<u>Na</u>		Omg/I	<u>0</u> mg/l	100%
Oil&Grease	TOC	Zinc	Copper	Nickel
<u>Na</u> mg/I	Namg/I	<u>Na</u> mg/l	Namg/I	Namg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Zinc Phosphate Solids	100	5.0
Elife i nospitate dallas		
		
		
		

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level <u>D PPE</u>

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	
TCLF Volatiles:	X
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	X
Corrosivity:	<u>X</u>
Ignitability:	X

Authorized Signature:

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

CES USE ONLY (DO NOT WRITE IN THIS SEACE)	
Compliance Officer: Robbert Toya	Process Facility Information:
Compliance Officer: Total Compliance	Kiefi
Date: 2-19-67 Approved Rejected	\$ 45/du
	15
2067	
Approval Number:	

<u>S</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
lf	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean out from organic non-netroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excervalues listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St. La Porte, TX 77571 281.471.0951 FAX:281.471.5821

CERTIFICATE NO:

1 of 1

Customer: CES Env. Svcs.

Sample ID: Zinc Phosphate Waste

Environ ID: 61508.01

Project ID: TIW Project Loc: Hou., TX

Matrix: Solid

61508.01

Sampled: 02-12-07 Received: 02-13-07

Charge/P.O.:

Type: Composite

Reported: 02-15-07

ANALYTE/ PARAMETER	R	ESULT	UNITS	REG. LIMIT	DET. LIMIT	TEST METHOD	TEST BY	DATE	TIME
BTEX - TOTAL									
Benzene	<	0.001	mg/kg	-	0.001	EPA SW846.8021B	DMB	02-13-07	12:40
Toluene	 	0.001	mg/kg	-	0.001	EPA SW846.8021B	DMB	02-13-07	12:40
Ethylbenzene	<	0.001	mg/kg	_	0.001	EPA SW846.8021B	DMB	02-13-07	12:40
Xylenes	<	0.003	mg/kg	-	0.003	EPA SW846.8021B	DMB	02-13-07	12:40
Total BTEX	<	0.006	mg/kg			EPA SW846.8021B	DMB	02-13-07	12:40
METALS -TCLP				1		EPA SW846.1311	MN	02-13-07	l
Arsenic	<	0.1	mg/l	5	0.1	EPA SW846.6010B	JK	02-14-07	12:59
Barium	ľ	0.7	mg/i	100	0.1	EPA SW846.6010B	JK	02-14-07	12:59
Cadmium	<	0.1	mg/l	1	0.1	EPA SW846.6010B	JK	02-14-07	12:59
Chromium	<	0.1	mg/l	5	0.1	EPA SW846.6010B	JK	02-14-07	12:59
Lead	<	0.1	mg/l	5	0.1	EPA SW846.6010B	JK	02-14-07	12:59
Selenium	<	0.1	mg/l	1	0.1	EPA SW846.6010B	JK	02-14-07	12:59
Silver	<	0.1	mg/l	5	0.1	EPA SW846.6010B	JK	02-14-07	12:59
Mercury	<	0.02	mg/i	0.2	0.02	EPA SW846.7470A	MN	02-14-07	09:30

Key:

REG - Regulatory Limit (User Should Verify)

DET - Detection Limit

TCLP - Toxcisity Characteristic Leaching Procedure

mg/l - PPM by Volume

mg/kg - PPM by Weight

mg - milligrams

kg - kilograms t - Liter

John Keller John Keller, Ph.D

Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

	METHOD: EPA SW846/5030/8021B	
ANALYSIS BTEX		MATRIX: Soil
ANALYSIS: BTEX		

ANALYST:	-4L	JUNITS:		NO.SAMPLES:
ANALYST:	dmb	HIMITS.	mg/kg	NO.SAMPLES: 1
MAINTEI OI.	41110		9,9	1.10.0.1111 200.
	The second secon			

SAMPLES:	61508.01				
l					

MATRIX	MATRIX	SPIKE	MS	MS	MSD	RPD	CCV	MB	QC LIMIT	ΓS (%)
61474-01	RESULTS	ADDED	RESULTS	REC	REC		REC		REC-RANGE	RPD
BENZ	0	442	441	100	99	0	94	0	60 - 120	20
TOL	0	442	399	90	87	4	90	0	60 - 120	20
ETBZ	0	442	398	90	90	0	91	0	60 - 120	20
XYLS	0	1327	1164	88	87	1	89	0	60 - 120	20
MTBE	0	442	382	86	87	0	75	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL) Ethylbenzene (ETBZ), Xylenes (XYLS)

MTBE - Methyl-tert-butyl ether

CCV - Continuing Calibration Verification

MB - Method Blank

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative Percent Difference

REC - Recovery Percent

2/13/07

Lab.Dir./QA-QC Mgr.

DATE

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS:	METALS		METHOD:	EPA SW8	46/6010		MATRIX:	LIQUID
ANALYST:	JK	DATE:	02.14.07	UNITS:	PPM (mg/l)		NO.SAMPLES:	12
SAMPLES:	61507.01 61505.01	61507.02	61497.01 61455.01	61502.01 61512.01	61502.02	61504.01	61504.02	61504.03
1	81303.01	6 1308.01	61433.01	61312.01				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS	BATCH ID:	61507.01
IIIVIA IRIX SPIKE & IVIA IRIX SPIKE DUPLICA I E ANALTSIS	DAIGHID.	013U/.U1

SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METHOD	QC LIN	MITS
Matrix	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF. %	CALIB.	BLANK	RECOV.	DIFF.
Arsenic	0.00	5	4.45	89	90	1	86	0	75 - 125	20
Barium	0.00	5	4.55	91	93	2	93	0	75 - 125	20
Cadmium	0.00	5	4.51	90	91	1	100	0	75 - 125	20
Chromium	0.00	5	4.39	88	90	2	88	0	75 - 125	20
Lead	0.00	5	4.49	90	91	1	89	0	75 - 125	20
Selenium	0,00	5	4.50	90	93	3	89	0	75 - 125	20
Silver	0.00	5	4.48	90	89	1	112	0	75 - 125	20

ENVIRON EXPRESS QUALITY CONTROL REPORT

Į	ANALYSIS: MERCURY	METHOD: EPA SW846/7471A	MATRIX: LIQUID
£			

ANALYSTS: MN	DATE:	02.14.07	UNITS:	mg/l	NO.SAMPLES:	11
				د و السائد		

SAMPLES:	61497.01	61502.01	61502.02	61504.01	61504.02	61504.03	61505.01	61507.01
l I	61507.02	61508.01	61455.01					

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

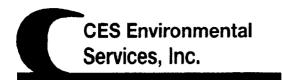
SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METH.	CORR.	QCLI	MITS
Matrix	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF.	CALIB.	BLANK	COEFF.	RECOV.	DIFF.
MERCURY	0.00	0.002	0.002	100	100	0	100	0	_1	60 - 120	20

JOHN KELLER, Ph.D Laboratory Director

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CHAIN OF CUSTODY	Results To:)		_		ľ	nvoice	• To: •	5.	10 -	_			_			T	TAT (WORKING I		
ENVIRON	Pan C Company: CES) 0€ ~	<u>, a c</u>			7	Compa	any:	_ 0	<u></u>							L.	AB LOT#	COC Present?	
Express Laboratorites Page of	Address: 4904 (^		2	ſ	1	Addres	ss:									s	hinment Sealed?	Samples Seale	
ENVIRON EXPRESS LABORATORIES, INC.	City (400 S For	<u> </u>	State:	75	Zip:		Cily:					S	itate:		Zi	p:	_	leceived on Ice?	Samples Intact Yes) No	
401 North 11th. St. / La Porte, Texas 77571-3115 (281) 471-0951 / (800) 880-0156			615	O			Phone	:									C	Cooler Temp. (°C)	Preservative Si	
Fax: (281) 471-5821 / After Hours: (281) 844-2308 e-mail: environexp@aol.com	e-Mail:						Fax: PO#:				(Quote	# :				-	lold Time OK?	Res. CI2 Check Yes No	k OK?
Project Name: Sar	npler Remarks:	² Cntr. Numbe	Type er	9	}	-	-	-	-			_		1	\pm	土		H Check OK?	COC & Labels	Agree?
Project Location: HOUS for ()		Volume 3 Bross	e ervative	320	2	\exists		_	\dashv		\dashv	\neg	\dashv	-			- 9	es No NA Remarks & A	Yes No	
Project No:		rese	valive						OTAL A TCI			7	\top		Ţ	1				
Sampler (Print): Da 10 Bawwan		ļ	ЭВАВ		6		ſ													
Sampler (Sign):		×	P / (G	3021B	(TX1005.3)			LES	OLS	3 MET	X	İ	Ì			١	ł			
EEL USE ONLY SAMPLE ID.	DATE/TIME SAMPLED	MATRIX	(C)OMP / (G)RAB	BTEX (8021B)	тРН (Т)	چ چ	PAH	VOLATILES	SEMI-VOLS	RCRA 8 METALS	18		İ		1		١			
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61508.01 2inc Phosphate W	ISE 1:00PM	1	-		_								\neg	1	+	7	\dashv			
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	ompany:		<u></u>	Data	/Time			L,	Rece	eived	Bv:							Company:		
ton James	CES_			1/6	<i>Y i</i>	3/ <i>V</i>	7	1:15	8	. 7	Han	ά	سعر			naseljunisa	EE	L		
	ompany:				Time				<u> </u>	eived							_ ′	Company:		
Relinquished By: Co	ompany:			Date	/Time				Rece	eived	By:							Company:		
S:Soil W:Water WW:Waste Water	SL:Sludge SO:Solid	SE:Sec	diment	L: Lea	M achate	atrix Wl:	Key Wipe	OR:0	Organ	nic O	L:Oil	DS:D	rum So	olid C	L:Dr	um Lic	quid (O:Other		
² Container T P:Plastic G:Glass V:VOA Glass C	vpe Kev													3 P	rese	rvati	ve K	ey iOH+Zn Acetate 7:Na	2S2O3 8: None	
Delivery of samples constitutes acceptance of Environ's term	s and conditions in the E	rico Sch	odula						-						_					

Entemprise 2068



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/20/2007

Dear Charlie Markowitz

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2068

Generator: Enterprise Products Operating, L.P. [Splitter III)

Address: 316 S. Main

Mont Belvieu, TX 77580

Waste Information

Name of Waste: Empty drums - recyclable

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

RCRA empty drums for recycling

Color: na

Odor: na

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

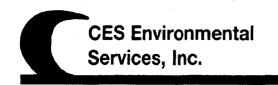
U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Generat		•		
Company :	Enterprise Produ	icts Opesi	ating LP	
Address :	316 S Main S	· ·	· · · · · · · · · · · · · · · · · · ·	
City, State, Zip:	Mont Belview	XT	<u> </u>	
	Wike Jomestin		tle :	
Phone No :	281-385-4310	Fa	ex: 28:385	- 4532
24 / HR Phone :				
-	727 490013455			
State I.D :	3/038	SI	C Code	
SECTION 2: Billing I		_	•	
Company :	Enterprise Prod	ucts open	Wy: - or Fb	
Address :	P.O. Box 573	·		
City, State, Zip :	Mont Belview	Tx 775	30	
Contact:		Ti	tle:	
Phone No :		Fa	ix:	
SECTION 3: Coneral	Description of the Waste			
Name of Waste :		(Denie)		
Name of Waste.	Emply Drums	(Kraya)	
Physical State :	Liquid Slud	ge 📓 Powde	er	
	Solid Filter	r Cake 🔣 Combi	ination	
	· -			
Color:	Vendo:	Odor:		
Specific Gravity (V	Water=1) :	Density:		lbs / gal
Layers :	Single-Phas Mult	i-Phase		
-				
Container Type :	📶 Drum 🔳 Tote	Truck 🗓 Ot	her (explain)	
Container Size :	55 9A		<u> </u>	
Number Of Units :				
Texas State Waste				
•				
Proper U.S. State	Waste Code No : Empl	+ Derme		
		PG:	Alu	RQ: 11/4
Class:	UN/NA: N/A	PG:_		KW: 10/4
Class :		Reactive Sulfides	Reactive Cyanides	Solids
	рН	Reactive Sulfides	Reactive Cyanides	Solids

SECTION 4: Physical and Chemical Data

SECTI	ON 10: Waste Receipt Classification Under 40 CFR 437
s this	material a wastewater or wastewater sludge ? YES NO
f'YE	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
∩ile S	Subcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Orası	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/21/2007

Dear Brandi Bradley

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2069

Generator: Hunting Petrotube **Address:** 1018 Rankin Rd

Houston, TX 77073

Waste Information

Name of Waste: Oily water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water from cleaning oil and grease coated parts. Facility manufactures carbon steel piping components.

Color: grey

Odor: hydrocarbon

pH: neutral

Physical State:

Incompatibilities: none

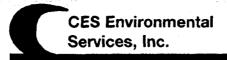
Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General	rator Information							
Company:	Hunting Petrotube							
Address:	1018 Rankin Road							
City, State, Zip:	Houston, TX 77073							
Contact:	Marvin Broussard	Title:	Environmental Specialist					
Phone No:	281-821-5577	Fax No:						
24/hr Phone:	281-821-5577	·						
U.S. EPA I.D. No:	N/A		N//					
State I.D.	N/a	SIC Code:	N/A					
SECTION 2: Billing	g Information – Same as Above	,						
Company:	Vertex Recovery							
Address:	2323 Clearlake City							
City, State, Zip:	Houston, TX 77062							
Contact:	Carrie Reese Title:	Business Dev	elopment Manager					
Phone No:	713-569-7718 Fax N	o: 281-596-4409	9					
Name of Waster oils	SECTION 3: General Description of the Waste Name of Waste: oily water Detailed Description of Process Generating Waste: Oily water from cleaning oily and grease coated parts. Facility Physical State: Liquid Sludge Powder Manufacture; carlon Solid Filter Cake Combination Steel Piping Con ponents.							
Physical State:	☐ Liquid ☐ Sludge	Powder	manufactures carbon					
	Solid Filter Cake	☐ Combinatio	in stell property					
Color: grey	Odor: hydrocarbon		conponents.					
Specific Gravity (wa	ter=1): na ·9-1·1 Density: na lbs/gal							
Layers:	Single-phase Multi-pha	se						
Container Type:	☐ Drum ☐ Tote		Other (explain)					
Container Size:		<u>30000</u>						
Frequency:	☐ Weekly ⊠ Monthly	Quarterly	☐ Yearly					
Number of Units (co								
Texas State Waste C								
			· · · · · · · · · · · · · · · · · · ·					
Proper U.S. DOT Sh								
Class: NA	UN/NA: NA	PG:	NA RQ: NA					
								
Flash Point	pH, -/ Reactive Sulfides	Reactive C	yanides Solids					
<u>n/a</u>	PH Nentral Reactive Sulfides D mg/l	mg/l						
Oil&Grease	TOC Zinc	Copper	Nickel					
<u>7/500</u> mg/l	$\frac{\sqrt{A} \text{ mg/l}}{\sqrt{1 + \frac{1}{2}}} = \frac{\sqrt{1 + \frac{1}{2}} \text{ mg/l}}{\sqrt{1 + \frac{1}{2}}}$	mg/l	mg/l					

Thau	COMPONENTS TABLE	Concentration	Units
	aste consists of the following materials	Ranges are acceptable	or %
Water		90 – 96	96-7
Oil		4-10	4-%
	THE PARTY OF THE P		
SECTION 5: Safety I	Related Data		
If the handling of this none	waste requires the use of special protective equ	ripment, please explain.	
SECTION 6: Attache	d Supporting Documents		
List all documents, no	tes, data, and/or analysis attached to this form	as part of the waste approval packa	age.
	atihilitios		
SECTION 7: Incomp			
•	tionities (ii any):		
none	cor's Knowledge Documentation		
none SECTION 8: Generat Laboratory analysis of	, ,	ow, WAS NOT PERFORMED base	ed upon the followin
none SECTION 8: Generat Laboratory analysis of generator knowledge:	or's Knowledge Documentation	ow, WAS NOT PERFORMED base	ed upon the followin
NONE SECTION 8: Generate Laboratory analysis of generator knowledge: ICLP Metals: ICLP Volatiles:	f the hazardous waste characteristics, listed bel	ow, WAS NOT PERFORMED base	ed upon the followin
SECTION 8: Generate Laboratory analysis of generator knowledge: ICLP Metals: ICLP Volatiles: ICLP Semi-Volatiles:	f the hazardous waste characteristics, listed bel	ow, WAS NOT PERFORMED bas	ed upon the followin
none SECTION 8: Generat Laboratory analysis of generator knowledge: ICLP Metals: ICLP Volatiles: ICLP Semi-Volatiles: Reactivity:	tor's Knowledge Documentation f the hazardous waste characteristics, listed below the na na na na na na na na na na na na na	ow, WAS NOT PERFORMED base	ed upon the followin
Laboratory analysis of generator knowledge: ICLP Metals: ICLP Volatiles: ICLP Semi-Volatiles: Reactivity: Corrosivity:	tor's Knowledge Documentation f the hazardous waste characteristics, listed below the hazardous waste characteristics.	ow, WAS NOT PERFORMED base	ed upon the followin
none SECTION 8: Generat Laboratory analysis of generator knowledge: ICLP Metals: ICLP Volatiles: ICLP Semi-Volatiles: Reactivity:	tor's Knowledge Documentation f the hazardous waste characteristics, listed below the na na na na na na na na na na na na na	ow, WAS NOT PERFORMED bas	ed upon the followin
SECTION 8: Generate Laboratory analysis of generator knowledge: ICLP Metals: ICLP Volatiles: ICLP Semi-Volatiles: Reactivity: Corrosivity:	tor's Knowledge Documentation f the hazardous waste characteristics, listed belong na na na na na na na na na	ow, WAS NOT PERFORMED base	ed upon the followin
Laboratory analysis of generator knowledge: ICLP Metals: ICLP Volatiles: ICLP Semi-Volatiles: Reactivity: Corrosivity: gnitability: SECTION 9: Generator trached description is emissions of compositions.	tor's Knowledge Documentation f the hazardous waste characteristics, listed belong na na na na na na na na na	nd/or □ analytical data. I hereby colledge and ability to determine that	ertify that the above a no deliberate or will
Laboratory analysis of generator knowledge: ICLP Metals: ICLP Volatiles: ICLP Semi-Volatiles: Reactivity: Corrosivity: gnitability: SECTION 9: Generator trached description is person of composition ested are representative	tor's Knowledge Documentation If the hazardous waste characteristics, listed belong the hazardous waste characteristics, listed belong the hazardous waste characteristics, listed belong na na na na na na na na na na na na na	nd/or □ analytical data. I hereby colledge and ability to determine that ted hazards have been disclosed. I co	ertify that the above a no deliberate or will

Additional Information:

\$0.24/gal

Compliance Officer: Polyhand

Approval Number: ___

Approved

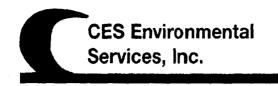
> Rejected

SE	CCTION 10: Waste Receipt Classification Under 40 CFR 437
ls	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
PI	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils .	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.					
(2)		If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.					
	Chror Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L					
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.					
		Metals Subcategory					
		Oils Subcategory					
		Organics Subcategory					

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/21/2007

Dear Rick Gahagan

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2070

Generator: Honeywell - Bryan College Station

Address: 6200 Mumford Road

Bryan, TX 77807

Waste Information

Name of Waste: Non-hazardous, non regulated wastewater

TCEQ Waste Code #: Class 2

Container Type:

Detailed Description of Process Generating Waste:

Wastewater generated from HF purification (distillation) process

Color: clear

Odor: none

pH: 4-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

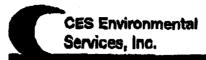
If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. FEB-12-2007 09:36

CES Environmental Service

719 676 1676 P.02



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

Fax: (713) 676-1676 SE

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene				
Company:		nic Chemicals, L.L.C.		
Address:	6200 Mumford Roa	ıd		
City, State, Zip:	Bryan, TX 77807			
Contact:	Rick Gahagan		Title:	HSE Manager
Phone No:	817 215-9818		Fax No:	817 215-9850
24/ar Phone:	979 571-0347			
U.S. EPA I.D. No:	TXCESQG	· · · · · · · · · · · · · · · · · · ·		NA
State I.D.	CESQG		SIC Code:	PAI
SECTION 2: Billin	e Information – 🗍 S			
Company:	Honeywell Electronic	Chemicals, L.L.C.		
Address:	6200 Mumford Road			
City, State, Zip:	Bryan, TX 77807			
Contact:	Rodney Mayerhoff	Title:	Production Ma	nager
Phone No:	979 778-4477	Fex No:		
Name of Waste: No	ral Deserbation of the n-Hezardous Non Reg of Process Generation	ulated Wastewater	rated from HF I	Purification (Distillation) Process
Physical State:	∠iquid	Sludge	Powder	
	☐ Solid	Filter Cake	Combination	· •
	[] 20m		1 COMPONE	
Color: Clear	0	dor: <u>None</u>		
Specific Gravity (wa	ter=1): <u>1</u>	Density: <u>8.34</u> Ibs/gal		
Layers:	Single-phase	Multi-phase		
Container Type:	☐ Drum	☐ Tate	Truck	Cother (explain)
Container Size:			5000	
Frequency:	Weekly	☐ Monthly ☐	Quarterly	Yearly
Number of Units (co	• •	Other:		
Texas State Waste C	lode No: N/A	L - Class 2 Waste, No waste	code used	
Proper U.S. DOT Sh	ipping Name:	Non DOT Regulated I	Material	
Class: N/A	UN/NA	ı: N/A	PG: N/A	RQ: N/A
Flash Point		Reactive Sulfides	Reactive C	yanides Solids
> 140		<u><5</u> mg/l	<5mg/l	<u><3</u> %
Oil&Grease	TOC	Zinc	Capper	Tickel
<100mg/l	<200mg/l	0.5mg/l	0.03mg/l	1).03mg/l

CES Environmental Service

713 676 1676

P.03

SECTION 4: Physical and Chomical Data

CONTENTS TANKS	OKO DEKA	dice	
The waste consists of the following materials	Ranges are acceptable	OF %	
Water	98	%	
Sodium Flouride	2	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

<u>Aqua-Tech Lab - Honeywell Tank T580</u>

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hezardous waste characteristics, listed below, WAS NOT PERI ORMED based upon the following generator knowledge:

TCLP Metals:

See Analytical

Richard Gahagan/ EHS Manager

TCLP Volatiles:

No volatiles exceeding the TCLP threshold are introduced or generated during process

TCLP Semi-Volatiles:

Authorized Signature:

Printed Name/Title:

No semi-volatiles exceeding the TCLP threshold are introduced or generated during process
No reactive materials are introduced or generated during process

Reactivity: Corrostvity: Ignitability:

No corrosive materials are introduced or generated during process. No ignitable materials are introduced or generated during process

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Date: 2/7/2007

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Collaboration of desired and desired an	Process Facility Information:
Date: 2-21-07 Approved Rejected	8.5 ¢/gcl
Approval Number: 2070	IL IL

713 676 1676 P.04

S	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Met	gis Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburning wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Olls</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Orga	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations
	Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation

FE8-12-2007 09:36

CES Environmental Service

713 676 1676

P.05

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants it ited below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or
	nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory
Oils Subcategory
Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Orease, CES will send offsite to a commercial laborate ty a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

FEB-12-2007 09:37

CES Environmental Service

713 676 1676

P.06

635 Phil Gramm Blvd. Bryan, Texas 77807 (979) 778-3707 Fax (979) 778-3193



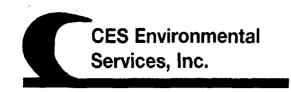
Austin Laboratory: (512) 301-9559 E-mail: corp@aqua-techlabs.com

Honeywell Electronic Chemical Attn: Rodney Mayerhoff 6200 Mumford Road Bryan, Texas 77806-027

> 1/8/2007 Page 1 of 1 1/Year Honeywell Tank T580

Sample ID# AP24838	Date Collected	12/4/2006	Time Collected	6:00	Collected By CL	Туре	Grab
Field Date: pH Std units	CII	Residual mg/	L DO	mg/L	Flow mgd	C-0-4	C# 30612
]	Honeywell Ta	nk T580		·	· · · · · · · · · · · · · · · · · · ·
Analysis	MDL	Result	Units	Analyst	Start Date	Start Time	Method #
Aluminum by ICP	5	160	ug/L	MRG	1/2/2007	8:03	EPA 200.7
Antimony by ICP	5	7	ug/L	MRG	12/9/2006	12:23	EPA 200.7
Americ by ICP	5	<5	ug/L	MRG	12/9/2006	12:23	EPA 200.7
Barium by ICP	1	4	ug/L	MRG	1/2/2007	8:03	EPA 2007
Beryllium by ICP	1	1	ug/L	MRĞ	12/9/2008	12:23	EPA 200.7
Baron by ICP	10	899	ug/L	MRG	12/9/2008	12:23	EPA 200,7
Cadmium by ICP	1	1	ug/L	MRG	12/9/2008	12:23	₽PA 200.7
Calcium by ICP	1.00	<1.00	mg/L	MRG	12/29/2006	9:38	EPA 200.7
Chromium by ICP	1	25	ug/L	MRG	12/9/2006	12:23	EPA 200.7
Coban by ICP	1	3	u g/L	MRG	12/9/2006	12:23	EPA 200,7
Copper by ICP	5	16	ug/L	MRG	12/9/2006	12:23	EPA 200.7
ICP Metals Aqueous Digest	N/A	50mL/50	mls	MRG	12/7/2008	10:00	EPA 200.7
Iron by ICP	100	2690	ug/L	MRG	12/9/2006	12·23	EPA 200,7
Lead by ICP	5	46	ug/L	MRG	12/9/2006	12:23	EPA 200,7
Magnesium by ICP	0,001	0.308	mg/L	MRG	1/2/2007	6;03	EPA 200.7
Manganese by ICP	1	9350	ug/L	MRG	12/9/2006	12:23	EPA 200,7
Melybdenum by ICP	5	<6	ug/L	MRG	12/9/2006	12;23	EPA 200.7
Nickel by ICP	5	84	⊌g/L	MRG	12/9/2506	12:23	EPA 200.7
Potassium	0.04	6.08	mg/L	MRG	12/27/2006	14:07	EPA 258,1
Salenium by ICP	5	<5	ug/L	MRG	12/12/2006	9:45	EPA 200.7
Silver by ICP	5	<6	ug/L	MRG	1/2/2007	8:03	EPA 200.7
Sodium	0.02	6780	mg/L	MRG	12/27/2006	16:03	EPA 273.1
Strontium by ICP	1	195	ug/L	MRG	12/12/2006	9:45	EPA 200.7
fnallium by ICP	. 5	7	ug/L	MRG	12/12/2006	9:45	EPA 200.7
Tilanium by ICP	5	81	Vg/L	MRG	12/12/2006	9:45	EPA 200.7
Vanadium by ICP	1	<1	ug/L	MRG	12/12/2006	9:45	EPA 200.7
Zinc by ICP	5	524	ug/L	MRG	12/12/2006	9:45	EPA 200.7

June M. Brien (Laboratory Director)



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 10/28/2008

Dear Rick Gahagan

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-2070

Expiration Date 2/21/2009

Generator: Honeywell - Bryan College Station

Address: 6200 Mumford Road

Bryan, TX 77807

Waste Information

Name of Waste: Non-hazardous, non regulated wastewater

TCEQ Waste Code #: CESQ1192

Container Type:

Detailed Description of Process Generating Waste:

Wastewater generated from HF purification (distillation) process

Color: clear

Odor: none

pH: 4-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

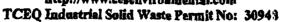
CES Environmental Services, Inc.

Services, Inc.

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com



U.S. EPA ID No: TXD008950461

ISWR No: 30900



SECTION 1: Gene	water lafe-matter			
Company:		onic Chemicals, L.L.C.	•	
Address:	6200 Mumford R			
City, State, Zip:	Bryan, TX 77807			
Contact:	Rick Gahagan		Title:	HSE MADREET
Phone No:	817 215-9818			817 215-9850
24/ar Phone:	979 571-0347		FEX MU: _	81/213-7030
U.S. EPA L.D. No:	TXCESQG			
State I.D.	CESOO		ero codo	NA
DIFFE I'D.	CESQU	· · · · · · · · · · · · · · · · · · ·	SIC Code:	7.7.1
ORCHION A. DOW.		On a Albana		
	e Information -	ic Chemicals, L.L.C.		
Company; Address:	6200 Mumford Rose			
		<u> </u>		
City, State, Zip:	Bryan, TX 77807	Tide:	Berdunden Man	
Contact:	Rodney Mayerhoff		Production Mar	18ger
Phone No:	979 178-4477	Fex No:		
SECTION 3: Gene	ral Description of th	e Wasta		
	n-Hezardous Non Re of Process General		nerated from HF P	urification (Distillation) Process
Physical State:	🛭 Liquid	Sludge	☐ Powder	
	□ Solid	Filter Cake	☐ Combination	
Color: <u>Clear</u>	•	Odor: <u>None</u>		
Specific Gravity (w	nter=1): <u>1</u>	Density: 8.34 Ibs/gal		
Layers:	Single-phase	☐ Multi-phase		
Container Type:	☐ Drum	☐ Tote	⊠ Truck	C Other (explain)
Container Size:			5000	
Configure 2154			3000	- Company of the Comp
Frequency:	Weekly	Montbly	Quarterly	Yearly
Number of Units (co		Other:		•
Cozas State Wasto C		A - Class 2 Waste, No was	te code used /X	EX 1192
				JR I
Proper U.S. DOT SI	lipping Name:	Non DOT Regulate	d Material	
Class: N/A	UN/N	A: N/A	PG: N/A	RQ: N/A
Mash Point	PH	Reactive Suifides	Reactive Cy	
140	4-10	<5mg/1	<5mg/l	<3%
Oil&Grease	TOC	Zinc	Copper	Nickel
(100mg/l	<200mg/l	0.5mg/I	0.03mg/1	0.03mg/l

		bettiles HL: Hecchigote	OF %
Water		98	%
Sodium Flouride		2	%
100			
SECTION 5: Safety R	elated Data	•	
If the handling of this v None	vaste requires the use of special protective eq	aipment, please explain.	
SECTION 6: Attached	Supporting Documents		
List all documents, not Aqua-Tech Lab - Honey	es, dais, and/or anslysis attached to this form well Tank T580	as part of the waste approval packs	gt.
SECTION 7: Incompa	tibilities		
Please list all incompati None	ibílities (if any):		
SECTION 8: Generate	r's Knowledge Documentation	,	
Laboratory analysis of generator knowledge:	the hazardous waste characteristics, listed be	low, WAS NOT PERI ORMED base	ed upon the following
TCLP Metals:	See Analytical		
TCLP Volatiles:	No volatiles exceeding the TCLP threshold ar		
TCLP Semi-Volatiles:	No semi-volatiles exceeding the TCLP thresh		Diocess
Reactivity: Corrosivity:	No reactive materials are introduced or general No corrosive materials are introduced or general new particular and produced or general new particular new p		
Ignitsbility:	No ignitable materials are introduced or gener		
SECTION 9: Generato	r's Certification		
	ed herein is based on 🛛 generator knowledge	and/or Manaketinel data. Thesaku n	prtific that the above
mached description is c	complete and accurate to the best of my know	vledge and ability to determine that	no deliberate or willfu
ested are representative of	n properties exist and that all known or suspect of all materials described by this document.	ted hazards have been disclosed. I (certify that the material
Authorized Signature:	Kulaw Och of	Date: 2/7/2007	
Printed Name/Title:	Richard Gahagan/ EHS Manager		

Approval Number:

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

ions
3

(2)		waste comains oil and grease less than 100 mg/L, and has any of the pollutants it ited below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrone	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentratic as of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Motals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Orease, CES will send offsite to a commercial laborate ty a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Honeywell Electronic Chemical

Attn: Rodney Mayerhoff 6200 Mumford Road Bryan, Texas 77806-027

> 1/8/2007 Page 1 of 1 1/Year Honcywell Tank T580

Sample IDH AP24838	Date Collected 12/4/20	06 Time Collected	6:00	Collected By CL	Туре	Grab
Flad Dam: pH Std units	C! Paridu	ei mg/L Di	O mg/L	Flow mgd	C-04	C# 30612
		Honeywell T	ank T580		·	····
Analysis	MDL Re	edit Units	Analyst	Start Date	Start Time	Method #
Aluminum by ICP	5 180	Ug/L	MRG	1/2/2007	8:03	EPA 200.7
Anjimony by ICP	5 7	ug/L	MRG	12/9/2006	12:23	EPA 200.7
Amenic by ICP	5 <5	ug/L	MRG	12/9/2006	12:23	EPA 200.7
Barium by ICP	1 4	ug/L	MRG	1/2/2007	8:03	EPA 2007
Beryllium by ICP	1 1	ug/L	MRG	12/9/2008	12:23	EPA 200.7
Beron by ICP	10 699		MRG	12/9/2008	12:23	EPA 200,7
Cadmium by ICP	1 1	vg/L	MRG	12/9/2005	12:23	EPA 200.7
Calcium by ICP	1.00 <1.0	ID mg/L	MRG	12/29/2006	9:38	EPA 200.7
Chromium by ICP	1 25	ug/L	MRG	12/9/2006	12:23	EPA 200.7
CODAIT DY ICP	1 3	ug/L	MRG	12/9/2008	12:23	EPA 200,7
Copper by ICP	5 16	ug/L	MRG	12/9/2006	12:23	EPA 200.7
CP Metale Aqueous Digest	N/A 50 ff	1.150 mLs	MRG	12/7/2006	10:00	EPA 200.7
ron by ICP	100 269	ן עפור	MRG	12/9/2006	12:23	EPA 200.7
ead by ICP	5 <6	ug/L	MRG	12/9/2006	12:23	EPA 200,7
Augnesium by ICP	0.001 0.30	8 mg/L	MRG	1/2/2007	6:03	EPA 200.7
fangenese by ICP	1 935	ug/L	MRG	12/9/2006	12:23	EPA 200,7
folybdenum by ICP	5 <6	ug/L	MRG	12/9/2006	12:23	EPA 200.7
lickel by ICP	5 84	ug/L	MRG	12/9/2006	12:23	EPA 200.7
olassium	0.04 5.08	mg/L	MRG	12/27/2008	14:07	EPA 258.1
elenium by ICP	5 <5	ug/L	MRG	12/12/2005	9:45	EPA 200.7
ilver by ICP	5 <6	ug/L	MRG	1/2/2007	8:03	EPA 200.7
odium	0.02 578 0) mg/L	MRG	12/27/2008	16:03	EPA 273.1
trontium by ICP	1 195	u ₫ /L	MRG	12/12/2006	9:45	EPA 200.7
halikum by ICP	5 7	ug/L	MRG	12/12/2006	9:45	EPA 200.7
itanium by ICP	5 81 /	vg/L	MRG	12/12/2006	9:45	EPA 200.7
anadium by ICP	1 <1	na\r	MRG	12/12/2006	9:45	EPA 200.7
ine by ICP	5 524	ug/L	MRG	12/12/2008	9:45	EPA 200.7

Jene M. Brin

June M. Brien (Laboratory Director)



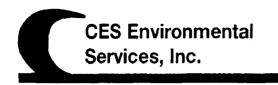
PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$.14/gallon for wastewater with Fluoride < 10,000ppm / \$.25/gal for wastewater with Fluoride between 10,000
30,000ppm / Freight \$550.00 plus FSC
2. Contamination Limit (maximum limit before surchages apply):
2% Solids
3. Surcharge Pricing:
\$.01/gal for Solids
4. Special Testing Requirements:
Fluoride Test
5. Treatment and Handling Protocol:
6. Treated Wastewater Discharge Subcategory:
or recuted tradicitation biodiaise dubeategory.
✓ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Proc	luct Recovered/Re	cycled (if applic <u>ab</u>	le):		
N/A					
•					
					
8. Management	for Product Recov	ered/Recycled (if	applicable)		 ,
	for Product Recov	ered/Recycled (if	applicable)		
8. Management N/A	for Product Recov	ered/Recycled (if	applicable)		
	for Product Recov	ered/Recycled (if	applicable)		
	for Product Recov	ered/Recycled (if	applicable)		
	for Product Recov	ered/Recycled (if	applicable)		
	for Product Recov	ered/Recycled (if	applicable)		



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/21/2007

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2071

Generator: Arrow Recycling **Address:** 7311 Decker Dr.

Baytown, TX

Waste Information

Name of Waste: Grease

TCEO Waste Code #: CESQ4891

Container Type:

Detailed Description of Process Generating Waste:

Used and unused grease from greasing equipment

Color: dark

Odor: none

pH: 7

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. FROM

UTUN. Dan

(THU) JAN 4 2007 4:04/ST. 3:57/No. 6802463056 P 11

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900



SECTION 1: Gene	rmor Information					
Сотралу:	ARROLL					
Address:	وللسلاقيل	cher Or				
City, State, Zip:	Card Agray	SALLY TISAC	Ticle:			
Contact:	COUNTY)	3.03		500	३५-४१४८	
Phone No:	\$31:000	202	Fax No:	001-40	34-018-7	
24/hr Phone:	TX () = (X)	2100				
U.S. EPA LD. No:		<u> ३।०५५</u>	SIC Code:			
State 1.D.	A85435		SIC COURT			
SECTION 2: Billi	ng Information -	Same as Abovo				
Company:	CYCL Sock					
Address:		nec Fount	हत			
City, State, Zip:	^~		7316	······································		
Contact:	Troc Risk			1200	7	
Phone No:	2210-UX3-3	Kaca Pax N				
2 110110 1101						-
SECTION 3: Gene	eral Description of th	ic Waste				
	_					
Name of Wan	acese "	1 100 1	Loxal	a-maca l	Com neace	i a Billioni
Detailed Description	n of Process Genera	ting Weste: USEd	Comed	grease.	rian greas	ויעצייריי
Physical State:	□ Liquid	Studge	Powder	•		
PRYNCE STATE		Filter Cake	Combinad	1		
_	Sofid	- Luter Care	LJ Compinad	OM .		
Color Dark		oder: None	•			
Color Les I	,					
Specific Gravity (w	sterelly \	Density:	/esi			
Specific Orzania (m		200000	, Brr.			
Layera:	🖄 Single-phase	: Multi-pha	nae			
,	7					
Container Type:	Durin	☐ Tote	Truck		Mher (explain)	
Container Size:	55	_	_			
Container one				_		
	O 371 13-	Monthly	<u> </u>	. — .		
Frequency:	☐ Weekly		[Quarterly	, ,	(carly	
Number of Units (c	containers):	Other: _				
Texas State Waste	Code No:	LESQ 489 1	5)			
Proper U.S. DOT S				0 1 1 1		
		Non-RUB		Regulated	No she boxe se	
Clusk:	(IN/I	VA:	PG:		RQ:	
			_			
Plash Point	777	Reactive Sulfides	Reactive	Cvanidos	Solida	
7200	PB 7	mg/l	mg		70 %	
()il&Greuse	TOC	Zinc	Conner	Nick		
X1500/1	Toc	ng/l	Omg/l		_wg/l	
A'!VV''						

(THU) JAN 4 2007 4:04/ST. 3:57/No. 6802463056 P 12

FROM

SECTION 4:	Physical and	Chemical	Datu

Approval Number:

COMPANIE LINES	Control Comm	Fritz
The waste consists of the following materials	· Ranger are acceptable	or %
Grace	100	700

SECTION 5: Safety Rd	ated Data			
If the handling of this wa	we requires the use of spe	ecial protective equipmen	e, ploace explain.	
SECTION 6: Attached	iupporting Documents			
List all documents, notes	, data, and/or analysis acc	ached to this form as part	l of the waste approval packs	āc.
SECTION 7: Incomputi	<u>hilities</u>			
Please list all incompatib	lities (if any);			
SECTION 8: Generator	's Knowledge Documenta	rion	•	
Laboratory analysis of the generalar knowledge:	ie huzardous waste Charac	teristics, listed helow, W	AS NOT PERFORMED base	al upon the followin
TCLP Metale: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrodivity: Ignitability:	— X X X X			
SECTION 9: Generator	's Certification			
attached description is co	mplete and accurate to the	e best of my knowledge : It known or suspected hav	analytical data. I hereby ce and ability to determine that a ards have been disclosed. I c	no deliberate or will ordify that the materi
Authorized Signature:			Date: 13/24/0 C	9
Princed Name/Title:	or Mikough	200		
CES USE ONLY (DO NOT W	RITE IN THIS STACE)			
·	bhat Rhay	Additional	Information:	
Date: 2-21-07	(Approved)	Rejected	05	

FROM

(THU) JAN 4 2007 4:04/ST. 3:57/No. 6802463056 P 13

<u>Ş1</u>	ECTION 10: Waste Receipt Classification Under 40 CFR	<u>137</u>
18	this material a wastewater of wastewater sludge? YES	50
11	'Yes', complete this section.	,
Pl	LEASE CHECK THE APPROPRIATE BOX. 11 NO APPRO	OPRIATE CATEGORY, GO TO THE NEXT PAGE.
Mat	als Subcategory: Subpart A	
	Spent electroplating baths and/or sludges Metal finishing rings water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste tiquid mercury Cyamide-containing wastes greater than 136 mg/l Waste neids and bases with or without metals	
	Cleaning, rinsing, and surface preparation solutions from ele	ectroplating or phosphating operations
H	Vibratory deburring wastewater Alkáline and acid solutions used to clean metal parts or equi	Pritons
Oils.	Subcategosy: Subpart B	•
	Used oils Oil-water conditions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petrolaum source Used petroleum products Oil spill clean-up Blige water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
()PR	<u>ися запешерогу</u> : Завроп С	
	Landfill lenchate Contaminated groundwater clean-up from non-petroleum so Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from point washes Wastewater from adhesives and/or epoxics formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	ITTEGR

FROM

(THU) JAN 4 2007 4:04/ST. 3:57/No. 6802463056 P 14

- (1) If the waste contains oil and grouse at or in excess of 100 mg/L, the waste should be classified in the oils subcategory,
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants lined below in concentrations in excess of the values fisted below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, capper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metall Subcategory

Oils Subcategory

Organics Subcategory

SECTION 11: Additional instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadming. Chromium, Copper, Nickel, and Oil and Grease. CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

(WED) FEB 21 2007

 ∇ ∞

Chain of Custody Record

CoC No._

1544 Sawdust Road, Suits 505 · The Woodlands, TX 77880 (281) 292-5277 · FAX: (281) 292-2481 · www.ascientific.com

Lab Project No. ____

Citient Name / Address:					Project Mane	iger: 7	111	1/4	~/	7		Se	and Re	porte: CKG Severis	
CK6	C				Phone Numb									Cho Marie	
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Client Semple 10	Date	Time	5	littion Location		Number of Containers	Metrix) (1			/ /	/ ,	Ciliani Remerica	Leb Sumple
1	1/7	9.00		-	· · · · · · · · · · · · · · · · · · ·	1	Salid	V		1			1		. 07
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A4 Scientific

Sample Log-In Report

1544 Sawdust Road, Suite 505 The Woodlands, TX 77380

Legged By: PD Client Name: CRG 358VICES Client Project Name: ARROW GREASE ClientProject #1

> P.O. No.r Courier/No.:

Lab Project ID: 8186 Date Logged: 02/07/07

Date Received: 02/07/07 Time Received: 15:09

Report Date: 02/08/2007 11:50:39

Send Report Te...

ZAC MCKAUGHAN

10707 HONEA EGYPT RD.

MONTGOMERY

TPH1005 02/12/07

77316

									TX	11316
	Lab		No.	Sample	Date	Time	Chain Of		Date	
CASE SDG	Sample ID	Client Sample 20	Court	Heirix	Sampled	Sampled	Custody No.	Tests Required	Due	Remerks
	8106.001	1	1	OIL	02/07/07	09:00				CELY SUBSTANCE. GET HITH RED
					•			8T6X-8260	02/12/07	
								MET_TCLP_RCRAMETALS	02/12/07	
								TPH1005	02/12/07	
	8196.002	2	1	OIL	02/07/07	09:05				OILY SUBSTANCE, GET WITH RED
								6 16 X-8260	02/12/07	
		•						KET_TCLP_RCRAMETALS	02/12/07	
								TPH1005	02/12/07	
	8106.003	3	1	OII.	02/07/07	09:10				OILY SUBSTANCE. GET WITH RED
								BTEX-8260	02/12/07	
								MET_TOLP_RORAMETALS	02/12/07	

Instructions To Lake STANDARD TAT

DAGE : BRESON

Client Approval



Page 1 of 1

LABORATORY REPORT

TOTAL PETROLEUM HYDROCARBONS CLIENT NAME : CRG SERVICES CLIENT SAMPLE ID : 1 PROJECT NAME : ARROW GREASE LAB SAMPLE ID : 8106.001 PROJECT NUMBER METHOD REFERENCE : TNRCC-1005 DATE SAMPLED : 02/07/2007 DATE RECEIVED : 02/07/2007 SAMPLE MATRIX : OIL PRINTED ON : 02/19/2007 11:12

ANALYST DATE ANALYZED : 02/08/07 DATE PREPPED : 02/08/07 DILUTION : 1 EXTRACT VOLUME : 10 ML INSTRUMENT FILE : B13660 INSTRUMENT ID : B-5890 SAMPLE VOLUME : 1 ML TIME ANALYZED : 16:34

PARAMETER AND A STATE OF THE ST	QUANTITATION	LIMIT	22 RESU	L 16	QUALIFIER
TPH-(>nC12-nC28)	500	MG/L	43000	MG/L	
TPH-(>nC28-nC35)	500	MG/L	ND	MG/L	
TPH- (nC6-nC12)	500	MG/L	5900	MG/L	

VIJAUD	CONTROL DATA		
STRROGATE COMPOUND	SPIKE ADDED	OC RECOVERY LIMITS.	* KECOVERY
o-Terphenyl	600 UG/I,	70 - 130	102
1-Chlorocetane	600 UG/L	70 - 130	99



Page 1 of 1

LABORATORY REPORT

TOTAL PETROLEUM HYDROCARBONS ; CKG SERVICES CLIENT NAME CLIENT SAMPLE ID : 2 PROJECT NAME : ARROW GREASE LAB SAMPLE ID : 8106.002 METHOD REFERENCE : TNRCC-1005 PROJECT NUMBER : : 02/07/2007 DATE RECEIVED : 02/07/2007 DATE SAMPLED SAMPLE MATRIX : OIL PRINTED ON : 02/19/2007 11:12

ANALYST : JL DATE ANALYZED : 02/08/07

DATE PREPPED : 02/08/07 DILUTION : 1

EXTRACT VOLUME : 10 ML INSTRUMENT FILE : B13661

INSTRUMENT ID : B-5890 SAMPLE VOLUME : 1 ML

TIME ANALYZED : 17:20

PANAMETER	NOLTATETHAGO!	LIMIT	RESUI	TATE OF THE	QUALIFIER
TPH-(>nC12-nC28)	500	MG/L	77000	MG/L	
TPH- (>nC28-nC35)	500	MG/T	ND	MG/L	
TPH- (nC6-nC12)	500	MG/L	00000	MG/L	

	Y CONTROL DATA		
SURROGATE COMPOUND	SPIKE ADDED	CC RECOVERY LIMITS	RECOVERY
o-Terphenyl	600 UG/L	70 - 130	113
1-Chlorooctane	600 UG/L	70 - 130	104



Page 1 of 1

LABORATORY REPORT

TOTAL PETROLEUM HYDROCARBONS : CKG SERVICES CLIENT NAME CLIENT SAMPLE ID : 3 PROJECT NAME : ARROW GREASE LAB SAMPLE ID : 8106.003 PROJECT NUMBER : METHOD REFERENCE : TNRCC-1005 DATE SAMPLED : 02/07/2007 DATE RECEIVED : 02/07/2007 SAMPLE MATRIX : OIL PRINTED ON : 02/19/2007 11:12

ANALYST DATE ANALYZED : JL .: 02/08/07 DATE PREPPED : 02/08/07 DILUTION : 1 EXTRACT VOLUME : 10 ML INSTRUMENT FILE : 813664 INSTRUMENT ID : B-5890 SAMPLE VOLUME : 1 ML TIME ANALYZED : 19:44

PARAMETER	MOITATION	LINIT	RESUL	TS DE	QUALIFIER.
TPH- (>nC12-nC28)	500	MG/L	88000	MG/l	
TPH- (>nC28-nC35)	500	MG/L	ND	MG/L	
TPH- (nc6-nc12)	500	MG/7.	12000	NG/L	

QUALITY CON	TROL DAT	Alakii III	Sales Sales Sales Sales Sales Sales Sales Sales Sales Sales Sales Sales Sales Sales Sales Sales Sales Sales Sa	######################################
EURROGATE COMPOUND.	FIRE ADDE	70 , 300	OC RECOVERY LIMITS	& RECOVERY
o-Terphenyl	600	OG/L	70 - 130	113
1-Chlorooctane	600	UG/L	70 - 130	108



Page 1 of 1

LABORATORY REPORT

VOLATILES BY OCINIS CLIENT NAME : CKG SERVICES CLIENT SAMPLE ID : 1 PROJECT NAME : ARROW GREASE LAB SAMPLE ID : 8106.001 PROJECT NUMBER : METHOD REFERENCE : SW846-8260B : 02/07/2007 DATE SAMPLED DATE RECEIVED : 02/07/2007 : OIL PRINTED ON SAMPLE MATRIX : 02/19/2007 9:55

PARAMETER	(QUANTITATIO)	LIMIT	Prst	ILTSIV QUI	LIFIER
Benzene	500	UG/L	рр	UG/L	مالينو شارا هديات
Ethylbenzene	500	UG/L	ND	DG/L	
Toluene	500	UG/L	ND	UG/L	
Xylone (total)	500	UG/L	ND	UG/L	

QUALITY CO	NTROL DAT	Al distribution		4,40 D.	
SURROGATE COMPOUND STATE OF THE	Spike adde	D	OC RECOVER	Y LINIT	S RECOVERY
Toluenc-d8	5000	UG/L	68 -	125	113
1,2-Dichloroethane-d4	5000	UG/L	62 -	139	107
4-Bromofluorobenzene	5000	TG/L	75 -	125	114
Dibromoflucromethane	5000	tig/t,	75 -	131	109



Page 1 of 1

LABORATORY REPORT

VOLATILES BY GCIMS CLIENT NAME : CKG SERVICES CLIENT SAMPLE ID : 2 LAB SAMPLE ID : 8106.002 PROJECT NAME : ARROW GREASE METHOD REFERENCE : SW946-8260B PROJECT NUMBER : 02/07/2007 : 02/07/2007 DATE SAMPLED DATE RECEIVED SAMPLE MATRIX : 01L PRINTED ON : 02/19/2007 9:55

ANALYST : SP DATE ANALYZED : 02/12/2007

DILUTION : 500 INSTRUMENT FILE : C9188.D

INSTRUMENT ID : C-5973 PURGE VOLUME : 20 mL

TIME ANALYZED : 12:43

PARAMETER	CONTITATIO	n tivit	RES	JI.TS QU	ALIF TER
Benzene	500	UG/T,	ND	UG/L	
Ethylbenzene	500	UG/L	ND	UG/L	
Toluene	500	UG/I.	ND	UG/L	
Kylene (total)	500	UG/L	ND	OG/I	

QUALITY	ONTROL DATA	alliu Nië		\$ 1 (18) (18) (18) (18) (18) (18) (18) (1
SURROGATE COMPOUND	SPIKE ADDE		OC RECOVERY LIMITS	BECOVERY
Toluene-08	5000	ひら/た	68 - 125	108
1,2-Dichloroethane-d4	5000	ひら/し	62 - 139	1.08
4-Bromofluorobenzene	5000	UG/L	75 - 125	114
Dibromofluoromethane	\$000	UG/L	75 - 131	107



Page 1 of 1

LABORATORY REPORT

VOLATILES BY GC/MS CLIENT NAME : CKG SERVICES CLIENT SAMPLE ID : 3 : ARROW CREASE PROJECT NAME LAB SAMPLE ID : 0106.003 NETHOD REFERENCE : SN846-8260B PROJECT NUMBER : : 02/07/2007 DATE RECEIVED : 02/07/2007 DATE SAMPLED ; OIL : 02/19/2007 SAMPLE MATRIX PRINTED ON 9:55

ANALYST : SP DATE ANALYZED : 02/12/2007
DILUTION : 500 INSTRUMENT FILE : C9189.D
INSTRUMENT ID : C~5973 PURGE VOLUME : 20 mL

TIME ANALYZED : 13:43

PARAMETER	MOLTATITATION	LIMIT	RESU	LTS PROFES	QUALIFIER:
Benzene	500	UG/L	ND	00\T	
Ethylbenzene	500	UG/L	ND	UG/L	
Toluene	500	UG/L	ND	UG/L	
Xylene (total)	500	UG/L	ИĎ	UG/L	

QUALITY	ONTROL DATA			
SURROGATE COMPOUND	SPIKE ADDED	Mark Page	OC RECOVERY LIMITS	RECOVERY.
Toluene~d8	5000	UG/X.	60 - 125	112
1,2-Dichloroethane-d4	5000	ひな/し	62 - 139	207
4-Bromofluorobenzene	5000	UG/L	75 - 125	120
Dibromofluoromethane	5000	DG/L	75 - 131	108



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LABORATORY REPORT

TCU WETALS NOT SEE THE SECOND

CLIENT NAME

: CKG SERVICES : ARROW GREASE CLIENT SAMPLE ID : 1

Lab Sample ID

: 8106.001 : 02/07/2007

PROJECT NAME PROJECT NUMBER : DATE SAMPLED

: 02/07/2007

DATE RECEIVED PRINTED ON

: 02/19/2007 9:50

SAMPLE MATRIX

: OIL

& MOISTURE

		DATE	DATE	-01LU-	COLTATION		ANA_
ANALYTE	METHOD	PREPARED	ANALYZED	TION	LIMIT	RESULT " "	LYST
Arsenic, TCLP	SW646-6010R	02/12/07	02/12/07	2	0.01 MG/L	ND MG/L	BT
Barium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.02 MG/L	1.38 MG/L	ÐΤ
Cadmium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.01 MG/L	ND NG/L	BT
Chromium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.02 MG/L	ND MG/L	BT
Lead, TCLP	\$W846-6010B	02/12/07	02/12/07	2	0.006 MG/L	ND MG/L	BT
Mercury, TCLP	SW946-7470A	02/12/07	02/12/07	1	0.0002 MG/L	ND MG/L	BT
Selenium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.03, MG/I	0.016 MG/L	BT
Silver, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.02 MG/L	ND MG/L	ВТ



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LABORATORY REPORT

TCLP METALS

: CKG SERVICES CLIENT NAME

CLIENT SAMPLE ID : 2

PROJECT NAME

: ARROW GREASE

LAB SAMPLE ID : 8106.002

PROJECT NUMBER : DATE SAMPLED

DATE RECEIVED : 02/07/2007

: 02/07/2007

PRINTED OM : 02/19/2007

SAMPLE MATRIX : OIL 1 MOISTURE

9:58

ANALYTE	METHOD	DATE PREPARED	DATE ANALYZED	DILU-I TION	CUANTITATION LIMIT	RESULT	ANA - Lyst
Arsenic, TCLP	SW846-6010B		02/12/07	2	0.01 MG/L	ND MG/L	BT
Barium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.02 MG/L	1.3 MG/L	BT
Cadmium, TCLP	3W846-6010B	02/12/07	02/12/07	2	0.01 MC/L	ND MG/L	BT
Chromium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.02 MG/L	ND MG/L	BT
Lead, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.006 MG/L	ND MG/L	BT
Mercury, TCLP	9W946-7470A	02/12/07	02/12/07	1	0.0002 MG/L	ND MG/L	BT
Selenium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.01.WG/L	0.011 MG/L	BT
Silver, TCLP	9W946-6010P	02/12/07	02/12/07	2	0.02 MG/L	MD MG/L	57

PAGE: MODII



; CKG SERVICES

: ARROW GREASE

: 02/07/2007

: OYL

CLIENT NAME

PROJECT NAME

SAMPLE MATRIX

PROJECT NUMBER : DATE SAMPLED

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Page 1 of 1

LABORATORY REPORT

THE REPORT OF THE PARTY OF THE

CLIENT SAMPLE ID : 3

LAB SAMPLE 1D : 8106.003

DATE RECEIVED : 02/07/2007

PRINTED ON

: 02/19/2007 9:56

MOISTURE

ANALYTE		4 hazaria 20 131113 200	attraction to the second of		QUANTITATION LIMIT	RESULT	ANA- Lyst
Arsenic, TCI.P	SW846-6010B	02/12/07	02/12/07	2	0.01 MG/L	ND MG/L	BT
Barium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.02 MG/L	1.46 NG/L	BY
Cadmium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.01 MG/L	ND MG/L	BT
Chromium, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.02 MG/I	ND MG/L	BT
Lead, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.006 MG/L	ND MG/L	BT
Morcury, TCLP	SW846-7470A	02/12/07	02/12/07	1	0.0002 NG/L	ND MG/L	BT
Selenium, TCLF	9W846-6010B	02/12/07	02/12/07	2	0.01 NG/L	0.021 MG/L	BT
Silver, TCLP	SW846-6010B	02/12/07	02/12/07	2	0.02 MG/L	ND MG/L	BT

QC RESULTS



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LABORATORY REPORT

CLIENT NAME	;	CLIENT SAMPLE TO : Prap Blank
PROJECT NAME	:	LAB SAMPLE ID : TPHB580
Project number	:	METHOD REFERENCE : TNRCC-1005
DATE SAMPLED	:	DATE RECEIVED :
EAMPLE MATRIX	: LIQUID	- PRINTED ON : 02/19/2007 10:56

ANALYST	: JL	DATE ANALYZED : 02/08/07
DATE PREPRED	: 02/08/07	DILUTION : 1
EXTRACT VOLUME	: 3 NL	INSTRUMENT FILE : 813657
INSTRUMENT ID	: B-5890	Sample volume : 30 ML
TIME ANALYZED	: 14:14	

PARAMETER	MOITATION	LINIT	PESUI	As Company	QUALIFIER
TPH- (>nC12-nC28)	5.0	MG/I,	MD	MG/L	
TPR-(>nC28-nC35)	5.0	MG/L	ND	MG/L	
TPH-(nc6-nc12)	5.0	MG/L	סא	MG/L	

QUALITY CO	NTROL DATA		
SURROGATE COMPOUND	SPIKE ADDED	QC RECOVERY LINIT:	RECOVERY
o-Terphenyl	5 UG/L	70 - 130	90
1-Chlorooctane	5 UG/L	70 - 130	111



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LCS/LCSD SUMMARY REPORT

TOTAL PETROLEUM HYDROCARBONS CLIENT NAME DATE PECSIVED PROJECT NAME PRINTED ON :02/19/2007 11:12 PROJECT NUMBER SAMPLE MATRIX LIQUID METHOD REFERENCE : TNRCC-1005 LAB CONTROL SAMPLE LAB CONTROL SAMPLE DUPLICATE LCS SAMPLE TO : TPHL560 LCSD SAMPLE ID TPHL580D CLIENT SAMPLE ID : CLIENT SAMPLE ID : DATE ANALYZED DATE ANALYZED :02/08/07 : 02/08/07 INSTRUMENT FILE | 813658 INSTRUMENT FILE : 913659 APD OC LIMITS
RPO LIMIT ABC LCSD LAS LCHU TOUND FOUND RECOVERY RECOVERY ZIRUE

0 out of 2 outside limits t out of 4 outside limits Spike Recovery :

TAUE VALUE PANAMETER VALUE VALUE VALUE (8) 72 -33.3 33.3 TPN- (>0C12-0C28) 23.9 27.2 82 13.0 75 - 125 TPH- (nC6-nCl2) 33.3 33.3 26.4 28.6 79 86 75 w 126 B . 5

[.] Indicate values optside of QC limits



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MS/MSD SUMMARY REPORT

		TOTAL PETROL	EUM HYDROCARBOI	(8)	
•	CKG SERVICES ARROW GREASE			DATE RECEIVED PRINTED ON	02/07/2007 02/19/2007 11:2
SAMPLE MATRIX	oir			METHOD REFERENCE	: TNRCC-1005
Sample		MATRIX SPIKE		NATRIX SPIKE DUP	LICATE
SAMPLE ID :	8106.002	HS SAMPLE ID	; 6106.002MS	MSD SAMPLE ID	: 0).06.002MSD
CLIENT SAMPLE ID :	2	CLIENT SAMPLE ID	; 2MS1	CLIENT SAMPLE ID	: 3M8D1
DATE ANALYZED ;	02/08/07	DATE ANALYZED	: 02/09/01	DATE ANALYZED	: 02/08/07
INSTRUMENT FILE ;	B13661	INSTRUMENT FILE	; P136G2	INSTRUMENT FILE	; D13663

- Indicate values outside of QC limits

RPD : 2 out of 2 outside limits Spike Recovery : 4 out of 4 outside limits



1644 Sawdust Road, Stilte 505 The Woodlands, TX 77380

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LABORATORY REPORT

CLIENT NAME : CLIENT SAMPLE 10 : PYEP Blank
PROJECT NAME : LAB SAMPLE 1D : VBLK13
PROJECT NUMBER : METHOD REFERENCE : SM846-8260B
DATE SAMPLED : DATE RECEIVED :
SAMPLE MATRIX : LIQUID PRINTED ON : 02/19/2007 9:55

ANALYST : SP DATE ANALYZED : 02/12/2007
DILUTION : 1 INSTRUMENT FILE : C9183.0
INSTRUMENT ID : C-5973 PURGE VOLUME : 20 mL
TIME ANALYZED : 9:33

PARAMETER	CUANTITATIO	n limit	RESU	LTS	OUALIFIER
Benzene	1.0	UG/L	ND	UG/L	
Ethylbenzene	1.0	UG/I.	ND	UG/L	
roluene	1.0	UG/L	ND	UG/L	
Xylane (total)	1.0	UC/L	ND	UG/L	

QUALITY. CO	NTROL DATA	Service Victorial	(paic Notified the
SURROGATE COMPOUND.	SPIKE ADDED	oc recovery limits	*RECOVERY
Toluene-dB	10 UG/L	68 - 125	112
1,2-Dichloroethane-d4	10 UG/L	62 - 139	114
4-Bromofluorobenzene	10 UG/L	75 - 125	106
Dibromofluoromethane	10 UG/L	75 - 131	115

A4 Scientific

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LCS/LCSD SUMMARY REPORT

VOLATILES BY GCMS CLIENT NAME DATE RECEIVED :02/19/2007 PROJECT NAME PRINTED ON 9:55 PROJECT NUMBER . SAMPLE MATRIX : LIQUID METHOD REFERENCE : SW846-82608 LAB CONTROL SAMPLE DUPLICATE LAB CONTROL SAMPLE LCS SAMPLE ID VLC\$13 LCSD SAMPLE ID .VLCS130 CLIENT SAMPLE TO : CLIENT SAMPLE 10 : DATE ANALYZED : 02/12/2007 DATE ANALYEED : 02/12/2007 INSTRUMENT FILE : C9184.D INSTRUMENT FILE : C9185.D

								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		TRUE	TRUE	LC8:	::-:\	Ph 16 115 153 11			₩PD`*•4	C LIMITS
PARAMETER	Marinu Units		VALUE:55		VALUE				Limin 🚉	REC
Renzene	UG/L	10.0	10.0	11.2	11.5	112	115	2.6	20	70 - 130
Sthylbenzene	UG/L	10.0	10.0	11.4	11.6	114	118	3.4	20	70 - 130
Totuene	UG/1.	10.0	10.0	11.3	11.0	113	1.3.8	4.3	20	70 - 130
Kylene (total)	UG/1.	30.0	30.0	37.6	39.0	125	130	3.9	20	70 - 130

[.] Indicate values outside of QC limits

RPD : 0 out or 4 outside limits
Spike Recovery : 0 out of 8 outside limits

PAGE: ØØØ18



CLIENT NAME

PROJECT NAME

PROJECT NUMBER : DATE SAMPLED :

SAMPLE MATRIX : LIQUID

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LABORATORY REPORT

CLIENT SANFLE ID ; PFEP Blank LAB SAMPLE ID ; HGRLK469

DATE RECEIVED :

PRINTED ON : 02/19/2007 9:58

S MOISTURE :

		DILU- QUANTITATION	RESULT CLEAR
Mercury, TCLP SW046-74	70A 02/12/07 02/12/0	7 1 0.0002 MG/L	ND MG/L BT



CLIENT NAME

PROJECT NAME

PROJECT NUMBER :

SAMPLE MATRIX : LIQUID

DATE SAMPLED

The Woodlands, TX 77380 1544 Sawdust Road, Suite 505

Page 1 of 1

LABORATORY REPORT TCLP METALS

CLIENT SAMPLE ID : Prep Blank

LAB SAMPLE ID : ICPBLED3

DATE RECEIVED :

: 02/19/2007 9:50

PRINTED ON * MOISTURE

AWALYTE	AND THE PROPERTY OF THE PARTY O	(1):33:33:35:55:51:X-54:84		36 410. 41 52	CUARTITATION TO TIME!	RESULT	ANA- LYST
Arsenic, TCLP	SW846-6010B		02/12/07	1	0.005 MG/L	ND HG/L	87
Barium, TCLP	9WB45-6010B	02/12/07	02/12/07	1	0.01 MG/L	ND MG/L	BT
Cadmium, TCLP	SW845-6010B	02/12/07	02/12/07	1	0.005 MG/L	ND MG/L	ET
Chromium, TCLP	SW846-6010B	02/12/07	02/12/07	1	0.01 MG/L	ND NG/L	BT
Lead, TCLP	3W946-6010B	02/12/07	02/12/07	1	0.003 MG/L	ND NG/L	BT
Selenium, TCLP	SW845-6010B	02/12/07	02/12/07	21	0.105 MG/L	ND MG/L	BT
Silver, TCLP	SW846-6010B	02/12/07	02/12/07	1	0.01 MG/1	ND MG/L	BT

PASE: 00020



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LABORATORY REPORT

CONTRACT TO THE TALE

CLIENT SAMPLE ID : Prep Blank

LAB SAMPLE ID

: TCLPBLR01

DATE RECEIVED

: 02/19/2007

9:58

PROJECT NUMBER DATE SAMPLED SAMPLE MATRIX

CLIENT NAME

PROJECT NAME

: LIQUID

PRINTED ON t MOISTURE

METHOD DATE DILU QUANTITATION' ANA ANALYTE LIMIT PREPARED ANALYZED TION RESULT LYST SW846-6010B 02/12/07 02/12/07 7 0.005 MG/L Assenic, TCLP NO MG/L BT Barium, TCLP 02/12/07 02/12/07 SW846-6010B ג 0.01 MG/L ND MG/L BT Cadmium, TCLP SW646-6010B 02/12/07 02/12/07 ì 0.005 MG/L ND MG/L BT Chromium, TCLP SW846-6010B 02/12/07 02/12/07 7 0.01 MG/L ND MG/L BT SW846-6010B 02/12/07 02/12/07 ī Lead, TCLP 0.003 MG/L ND MG/L BT SW846-7470A 02/12/07 02/12/07 ī 0.0002 MG/L ND MG/L BT Mercury, TCLP Selenium, TCLP SW846-6010B 02/12/07 02/12/07 0.005 MG/L NO MG/L BT Silver, TCLP SW846-6010B 02/12/07 02/12/07 ī 0.01 MG/L ND MG/L BT



1544 Sawdust Road, Sulte 505 The Woodlands, TX 77380

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MS/MSD BUMMARY REPORT

TCLP METALS

CLIPNY NAME PROJECT NAME

: CKG SERVICES

ARRON GREASE

PRINTEU ON

DATS RECEIVED : 02/07/2007 ; 02/19/2007

10:01

PROJECT NIMBER

SAMPLE MATRIX : OTI,

SAMPLE 10 : 8106.001

SAMPLE

MATRIX SPIKE

NS SAMPLE ID . 8106.001MS

MATRIX SPIKE DUPLICATE

NSD SAMPLE ID ; 8106.001MSD

CLIENT SAMPLE ID : 1

CLIENT SAMPLE ID: 1MS

CLIENT SAMPLE ID : 1MSD

CC23864000000000000000000000000000000000000	1 3 2 2 2 2 3 2 3 2	i (Simple) Se (House	ма	MGD.		230		MS	MSD 5		, with	
	METHOD	de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la	BPCKE	SPIKE	SAMPL	HB.	MSD?	RECOVER	RECOVER	7 000	nrb	OC LINIT
CONFORM THE	LICECTOFICE		SUD KENS	Armsy	Section of the	(2.200.20)			15 15 15 15 15 15 15 15 15 15 15 15 15 1	SALAR PARKE	Transati	######################################
Arsenic, TCLP	\$\846-6010B	HG/L	2.00	2.00	0	1.92	2.04	96	102	6. X	25	75 - 125
Barium, TCLP	SNB46-6010B	MG/L	2.00	2.00	1.36	3.43	3.46	103	204	1.0	25	75 - 125
Cadmium, TCLP	8m846-60108	MG/L	0.050	0.050	6.003	0.048	0.050	90	94	4.3	25	75 - 125
Chromium, TCLP	SW846-6010B	HG/L	0.200	0.200	0.003	0.196	0.204	97	101	4.0	25	15 - 125
Lead, TCLP	SW846-6010B	MG/L	0.500	0.500	0	0.407	0.437	81	67	7.1	25	75 - 125
Selenium, TCLP	8W046-6010D	MG/L	2.00	2.00	0.016	1.92	2.06	95	102	7.1	25	75 - 125
Silver, TCLP	2WG46-6010B	MG/L	0.030	0.050	O	0.056	0.052	112	104	7.4	25	75 - 125

^{*} Indicate values outside of QC limits

RPD

: 0 out of 7 outside limits

Spike Recovery :

0 out of 14 outside limits



1544 Sawdust Road, Suite 505 The Woodlands, TX 77380

Page 1 of 1

MIS/MISD SUMMARY REPORT

TCLP METALS VIOLENCE OF THE PROPERTY OF THE PR : 02/07/2007 : CMG SERVICES DATE RECEIVED CLIENT NAME PROJECT NAME : NAKOW GREASE PRINTED ON 02/19/2007 10:01 PROJECT NUMBER : SANPLE MATRIX : OEL MATRIX SPIKE MATRIX SPINE DUPLICATE Sample ; 8106.003MS SAMPLE ID MS SAMPLE ID MSD SAMPLE ID : : 8106.00J CLIENT SAMPLE ID: 3MS CLIENT SAMPLE ID : CLIENT SAMPLE 10: 3

COMPOUND	METHOD REFERENCE UNG	SPIKE S 13 ADDED A	PIRE SANKA MS: MSD. DDED CONC. CONC. CONC	BECOVER RECOV	R RPD OC LIMIT
Mercury, TCLP	SH846-7470A MG/I		0 0.0013	108	25 75 - 125

^{*} Indicate values outside of QC limits

RPP : 0 out of 0 outside limits

Spike Recovery : 0 out of 1 outside limits

;



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Page 1 of 1

LABORATORY REPORT

CLIENT NAME : CLIENT SAMPLE ID : Lab Control Sample

PROJECT NAME : LAB SAMPLE ID : HGLCS469

PROJECT NUMBER : DATE RECEIVED :

DATE SAMPLED : PRINTED ON : 02/19/2007 10:03

SAMPLE MATRIX : LIQUID & MOISTURE

ANALYTE	DATE ETHOD PREPAREI	DATE DIL	NOITATION EL CON X LIMIT X NO	AESULT Q	ANA-
	6-74700 02/12/0	7 02/12/07 1	0.0002 MG/L	0.0059 NG/L	BT



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Page 1 of 1

LABORATORY REPORT

THE REPORT OF SUPERIOR STREET STOLE METALS

CLIENT NAME PROJECT NAME

PROJECT NUMBER DATE SAMPLED

SAMPLE MATRIX

: LIQUID

CLIENT SAMPLE ID : Lab Control Sample LAB SAMPLE ID : ICPLOSD3

:

: 02/19/2007

DATE RECEIVED

PRINTED ON

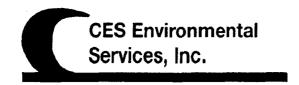
10:01

* MOISTURE

ANALYTE	METROD	No. 30 at 10th health 1870.			LIMIT	RESULT	LYST
Arsenic, TCLP	SW846-60108	02/12/07	02/12/07	1	0.005 MG/L	0.265 MG/L	Br
Barium, TCLF	SW846-6010B	02/12/07	02/12/07	1	0.01 MG/L	5.12 MG/L	BT
Cadmium, TCLP	SW846-60108	02/12/07	02/12/07	1	0.005 MG/L	0.137 MG/L	BT
Chromium, TCLP	SW846-6010B	02/12/07	02/12/07	1	0.01 MG/L	0.504 MG/1,	BT
Lead, TCLP	SW846-6010B	02/12/07	02/12/07	1	0.003 MG/L	0.257 MG/L	BT
Selenium, TCLP	SW046-6010B	02/12/07	02/12/07	ĩ	0.005 MG/L	0.251 MG/L	BT
Silver, TCLP	SW846-6010B	02/12/07	02/12/07	1	0.01 MG/L	0.629 MG/L	BT

PAGE: DØØ25

GATX 2012 Rof# 2072



Waste Pre-Acceptance/Approval Letter

Date 2/23/2007

Dear Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2072

Generator: GATX (Hearne)

Address: 1401 W. Brown St.

Hearne, TX 77859

Waste Information

Name of Waste: Sealed lead acid batteries

TCEO Waste Code #: Recycle

Container Type:

Pallet

Detailed Description of Process Generating Waste:

Spent lead acid batteries

Color: varies

Odor: none

pH: <2

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information						
Company: GATA HEARNE						
Address: P.O. 35 969						
City, State, Zip: 14 ENTINE TX 77859						
Contact: RICACEO SALLAS Title:						
Phone No: 979 279 3481 Fax:						
24 / HR Phone :						
U.S EPA I.D No :						
State I.D: 32643 SIC Code						
SECTION 2: Billing Information						
Company: GATX HEALNE						
Address: P.O. Box 91.9						
City, State, Zip: Hearne TX 77859						
Contact: Ricardo Salino Title:						
Phone No: 979 - 279 - 3481 Fax:						
SECTION 3: General Description of the Waste						
Name of Waste: RALED LEAD ACID BATTERIES						
Physical State :						
✓ Solid Filter Cake Combination						
Z Solid						
Color: Vories Odor: Vone						
Specific Gravity (Water=1): Density: Density:						
Layers : Single-Phas						
Container Type : 🗾 Drum 🔳 Tote 📧 Truck 🔟 Other (explain)						
Container Size: 55						
Number Of Units : 5						
Texas State Waste Code No: Recycle						
Proper U.S. State Waste Code No: BATTERICE WET Filled with Acid						
20 20 20 20 20 20 20 20 20 20 20 20 20 2						
Class: \mathcal{P}_{i} UN/NA: \mathcal{P}_{i} PG: \mathcal{P}_{i} RQ: \mathcal{P}_{i}						
Flash Point pH Reactive Sulfides Reactive Cyanides Solids						
Flash Point pH Reactive Sulfides Reactive Cyanides Solids						

SECTION 4: Physical and Chemical Data	
Plastic Battery CASING 10-	20 %
Electrolyte solution 20.	bo %
	20%
SECTION 5: Safety Related Data	
If the handling of this waste requires the use of special protective equipmen	it, p!ease explain.
standard PRE	
SECTION 6: Attached Supporting Documents	
List all documents, notes, data, and/or analysis attached to this form as part	of the waste approval package.
SECTION 7: Incompatibilities	
Please list all incompatibilities (if any):	
, 10000 not an incompanion (i. 21.7).	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, listed below, WA following generators knowledge	AS NOT PERFORMED based upon the
TCLP Metals :	
TCLP Volatilies :	
TCLP Semi-Volatiles : /	
Reactivity:	
Corrosivity:	
gnitability:/	
SECTION 9: Generator's Certification	
The information contained herein is based on 🔀 generator knowledge and/above and attached description is complete and accurate to the best of my k deliberate or willful omissions of composition properties exist and that all kn disclosed. I certify that the materials tested are representative of all materials	nowledge and ability to determine that no nown or suspected hazards have been
	•
Authorized Signature: None per Matt Bowins	Date: 2-72-07
Printed Name / Title :	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info:
Compliance Officer: Rabbau Thya	REC
Date: 2-22-07 Status: Approved Rejected	Recommended Treatment:
Approval Number: 2072	

SECTION	ON 10: Waste Receipt Classification Under 40 CFR 437
ls this	material a wastewater or wastewater sludge ?
If 'YES	S', complete this section
PLEAS	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matals	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oile S	Subsetonenu Submert B
	Gubcategory: Subpart B Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
\Box	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
^	Since Outherstown St. Character C
<u>Organ</u>	nics Subcategory Subpart C Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources



MATERIAL SAFETY DATA SHEET LC SEALED LEAD ACID BATTERY SERIES

Section VIII: Control Measures / Personal Protection

General:

Normal room ventilation is sufficient during normal use and handling. Recommend 2 to 3 room air changes per hour to prevent buildup of hydrogen gas.

Personal Protective Equipment (In the Event of Battery Case Breakage):

Always wear safety glasses with side shields or full face shield.

Use rubber or neoprene gloves.

Wear acid resistant boots, apron or clothing.

Work/Hygienic Practices:

Remove jewelry, rings, watches and any other metallic objects while working on batteries. All tools should be adequately insulated to avoid the possibility of shorting connections. DO NOT lay tools on top of battery. Be sure to discharge static electricity from tools and individual person by touching a grounded surface in the vicinity of the batteries, but away from cells. Batteries are heavy. Serious injury can result from improper lifting or installation. DO NOT lift, carry, install or remove cells by lifting or pulling the terminal posts for safety reasons and because terminal posts and post seals may be damaged. DO NOT wear nylon clothes or overalls as they can create static electricity. DO KEEP a fire extinguisher and emergency communications device in the work area.

IMPORTANT:

Wash hands thoroughly after working with batteries and before eating, drinking or smoking.

Section IX: Regulatory Information

NFPA Hazard Rating for Sulfuric Acid:

Flammability (Red) = 0

Health (Blue) = 3

Reactivity (Yellow) = 2

Section X: Transportation Information

Identification and Proper Shipping Name:

Batteries - Wet, Non-Spillable, Electric Storage, UN 2800.

DOT - Unregulated, meets the requirements of 49 CFR 173, 159 (d).

IATA/ICAO - Unregulated, meets the requirements of Special Provision A67.

IMO - Unregulated.

*For all modes of transportation, each battery and outer package must be labeled: "Non-Spillable" or "Non-Spillable Battery." This label must be visible during transportation. * Batteries must be securely packed to prevent short-circuiting.

Section XI: California Proposition 65 Information

The State of California has determined that certain battery terminals contain lead and lead compounds, <u>and handling this product may also expose you to sulfuric acid mist</u>, chemicals known to the State of California to cause cancer and reproductive harm. <u>IMPORTANT</u>: WASH HANDS THOROUGHLY AFTER WORKING WITH BATTERIES AND BEFORE EATING, DRINKING OR SMOKING.

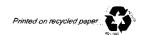
Section XII: Other Information - Notice to Readers

General Product Description - LC VRLA Batteries

Panasonic LC Batteries are **sealed** (valve regulated) non-spillable lead-acid batteries with pasted lead-calcium plates. The electrolyte is held captive in an Absorbed Glass Mat (AGM) separator between plates that immobilize the electrolyte in the cell. AGM separator material is a highly porous, absorbent micro fiberglass mat mixed with polymer fibers. There is no "free" electrolyte to leak out if the cell is tipped over (cell case and cover are sealed together) or if the cell is punctured. The AGM separator material immobilizes the electrolyte and creates a situation where the spill of electrolyte is highly unlikely. Typical accidents where a battery case is punctured results in a slight drip or a slow ooze of material out of the cell that cannot be characterized as a spill.

Panasonic LC VRLA batteries are also different from conventional **unsealed** (wet/flooded) cells because they contain only a minimum amount of electrolyte. VRLA battery electrolyte is a dilute mixture of sulfuric acid in water, which typically has a specific gravity between 1.270 and 1.3. Specific Gravity is a measure of the density of a liquid as compared to that of water, which has a specific gravity of 1.000. Pure sulfuric acid has a specific gravity of 1.835.

NOTE: Panasonic LC batteries do not contain a gel electrolyte.





MATERIAL SAFETY DATA SHEET LC SEALED LEAD ACID BATTERY SERIES

General Product Description - LC VRLA Batteries (continued)

During normal battery installation, operation and maintenance, the user has NO contact with the internal components of the battery or its internal hazardous chemicals.

Panasonic LC batteries are UL recognized under the file number: Matsushita Electric Industrial Co. Ltd., Matsushita Electric Corp. of America, File #MH13723, 1 Panasonic Way, Secaucus, NJ 07094.

NOTICE TO READERS: DISCLAIMER

This information has been compiled from sources considered to be dependable and is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty (either expressed or implied) or guarantee is made to the accuracy, reliability or completeness of the information contained herein. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. Matsushita Battery Industrial Co., Ltd., Panasonic Industrial Company and Panasonic Sales Companies do not accept liability for any loss or damage that may occur, whether direct, indirect, incidental or consequential, from the use of this information nor do we offer warranty against patent infringement. Cell and battery product(s) or information contained herein are subject to change without notice. No liability is assumed as a result of their use or application.

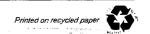
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MSDS Preparation Date: 9/2005 Supersedes: 5/2001

Preparer: Charles P. Monahan Director, Regulatory Compliance 201-392-6464

Printed in the U.S.A.



Supplemental Information on Panasonic Valve-Regulated Lead Acid Batteries

Transportation

All Panasonic valve-regulated lead acid batteries are considered "non-spillable" for purposes of transportation by the U.S. Department of Transportation (DOT), International Civil Aviation Administration (ICAO), the International Air Transport Association (IATA) and the International Maritime Dangerous Goods regulations (IMDG). They are considered "non-spillable" by DOT by passing the Vibration Test and Pressure Differential Test as required in 49 CFR 173.159(d). They are also considered to be "non-spillable" by both ICAO and IATA by exceeding the requirements of Special Provisions "A67" as defined in their 1998 Handbooks.

Our batteries are authorized for transportation on deck or under deck storage on either a passenger or cargo vessel by passing the Vibration and Pressure Differential Tests as described in the International Maritime Dangerous Goods Regulations (IMDG).

To transport these batteries as "non-spillable" they must be shipped in a condition that would protect them from short-circuits and be securely packaged so as to withstand conditions normal to transportation. For transportation by a consumer, in or out of a device, they are unregulated thus requiring no additional special handling or packaging.

All of our lead acid batteries and their outside packaging, manufactured after September 30, 1995 are labeled "NON-SPILLABLE" per 49 CFR 173.159(d). If you repackage our batteries either as batteries or as a component of another product you must label the outer package "NON-SPILLABLE" per 49 CFR 173.159(d).

Assure Proper Recycling!

Valve-Regulated Lead Acid batteries destined for recycling can be managed under the federal *Universal Waste Rule* codified at 40 CFR Part 273.

In the event of disposal, dispose only in accordance with federal, state and local regulation. Batteries generated as a waste are subject to the Resource Conservation and Recovery Act (RCRA) as a D008 (lead) hazardous waste.

Panasonic VRLA Recycling Program

The Panasonic 1-800-SAV-LEAD Recycling Program for the collection and recycling of valve-regulated lead acid batteries (VRLA) covers all Panasonic Valve-Regulated Lead Acid Batteries. The proper disposal of spent VRLA batteries is becoming more of a critical issue, both from the viewpoint of environmental stewardship and from compliance with federal and state environmental regulations. Panasonic recognizes the burdens and responsibilities that have been placed on our customers to properly dispose of spent VRLA batteries and is proud to offer this voluntary nationwide battery recycling program.

Federal and State Requirements for Proper Disposal

Federal and State laws prohibit the improper disposal of all lead acid batteries. The battery end users (owners) are responsible for their batteries from the date of purchase through their ultimate disposal. The only legally acceptable method of disposal of lead acid batteries is to recycle them at Resource Conservation and Recovery Act (RCRA) approved secondary lead smelter. This Panasonic 1-800-SAV-LEAD Recycling Program will allow for you to arrange for the recycling of your VRLA batteries from anywhere in the United States. The Program will accept Panasonic and other VRLA batteries regardless of manufacturer. Panasonic will handle all VRLA batteries returned in an environmentally sound manner designed to comply with all applicable Federal and State laws and regulations. Panasonic will send batteries only to fully-permitted secondary lead smelters that we believe meet the highest environmental standards. Once the VRLA batteries are received by Panasonic, the cost to transport the batteries to the secondary lead smelter and the actual recycling costs will be borne by Panasonic.

See the next page for <u>How the 1-800-SAV-LEAD Recycling Program Works</u>

Supplemental Information on Panasonic Valve-Regulated Lead Acid Batteries (Cont.)

How the 1-800-SAV-LEAD Recycling Program Works

- 1) We encourage all of our customers to serve as VRLA collection centers for your customers, thereby establishing a reverse distribution network between the end user and the secondary lead recycling facility.
- 2) All shipments to our national consolidation facility must be prepaid. No freight collect shipments will be accepted. All freight collect and non-VRLA batteries will be returned to the shipper.
- 3) Panasonic will maintain on file all necessary documentation for EPA reference. A copy will be provided upon request.
- 4) All batteries must be shipped, prepaid to Ebco Battery Company that serves as our national consolidation facility. (See exception below).

SHIPPING ADDRESS: **Ebco Battery Company** 4017 Warm Springs Road Columbus, Georgia 31909

- 5) Only VRLA batteries that meet the U.S. Department of Transportation (DOT) "NON-SPILLABLE" (49 CFR 173.159d) requirements will be accepted by this program.
- 6) Panasonic reserves the right to alter or discontinue this program at any time.

Packaging Requirements

- 1) All VRLA batteries must be fully discharged and packaged in a manner as to insure safe handling and conform to all applicable DOT regulations. (49 CFR 173.159d). A dab of silicon caulking or nonconductive tape on each terminal will ensure that no direct shorts occur during shipment.
- 2) VRLA battery shipments should be made in pallet quantities whenever possible.
- 3) Palletized shipments should be secured with metal bands or poly-wrapped with stack height limited to four (4) feet.
- 4) VRLA batteries shipped on pallets should be of uniform size or be stacked with the larger batteries on the bottom.
- 5) VRLA batteries should be stacked upright in a head-to-base arrangement. Each layer should be separated by cardboard to prevent accidental shorting.
- 6) Smaller quantities of VRLA batteries may be shipped via standard UPS. Be sure that each box does not exceed the UPS weight limit of 70 lbs. A dab of silicon caulking or non-conductive tape on each terminal will ensure that no shorts occur during shipment.
- 7) The outside of every pallet and individual box must be labeled "NON-SPILLABLE" as required by DOT regulations. This label must be visible during transportation.

Exception:

Full-Truck-Loads - All full-truck-load shipments of VRLA batteries must be scheduled 48 hours in advance. To schedule shipments to our consolidation site, please be sure to fax a scheduling request (including contact name and phone number) to Ebco Battery Company at fax: (706) 569-6774.

Consumer Users of Panasonic VRLA Batteries

All Panasonic VRLA batteries are chemically identical to common automotive starter batteries and can be returned to any site that accepts automotive lead acid batteries for recycling. Examples include retailers of automotive batteries, automotive service centers, scrap metal dealers, etc...

For additional information on this program or information on how to recycle other Panasonic batteries please call your local Panasonic Battery Sales Group sales office.

Panasonic Batteries

Panasonic Industrial Company A Division of Panasonic Corporation of North America Two Panasonic Way Secaucus, NJ 07094

Toll Free:

877-726-2228

Fax:

847-468-5750

e-mail: oembatteries@us.panasonic.com Internet: www.panasonic.com/batteries

Panasonic®

MATERIAL SAFETY DATA SHEET LC SEALED LEAD AGID BATTERY SERIES

Section I: Chemical Product and Company Identification

Product Identity:

Trade Name:

Sealed Lead Acid Battery

Panasonic LC Valve Regulated Lead Acid Battery Series

Distributor:

Panasonic Industrial Company - Battery Sales Group Two Panasonic Way/7A-1, Secaucus, New Jersey 07094

Manufacturer:

Matsushita Battery Industrial Osaka, 570, Japan

For Chemical Emergency

Spill, Leak, Fire, Exposure or Accident Call CHEMTREC - Day or Night - 24 hours 1-800-424-9300

Outside the USA: 1-703-527-3887 (collect)

Telephone Number for General Information

Toll Free 1-800-793-3772

Internet: www.panasonic.com/batteries

Section II: Hazardous Ingredients / Identity Information

Component	Common Name	Chemical Name	Approximate % by wt. or vol.	OSHA PEL	ACGIH TLV	CAS#
Lead	(Negative Electrode and Grid)	Pb	48~53 wt%	0.05 mg/m^3	0.15 mg/m ³	7439-92-1
Lead Oxide	(Positive Electrode)	PbO ₂	23~26%	0.05 mg/m^3	0.15 mg/m^3	1309-60-0
Lead Sulfate	(Positive and Negative Electrode)	PbSÕ₄	< 1. wt%	0.05 mg/m^3	0.15 mg/m ³	7446-14-2
Sulfuric Acid	(Electrolyte)	H ₂ SO ₄	7~10 wt%	1.0 mg/m ³	1.0 mg/m ³	7664-93-9

Percentages of components are dependant both on the model of the battery and state of charge/discharge of the battery. Sulfuric Acid is reportable under Sections 302, 311, 312 and 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA). Reportable Quantity: 500 lbs for sulfuric acid and 10,000 lbs for lead. See Section XII, Page 3 for more information.

Overall Chemical Reaction: PbO2 + Pb + $2H_2SO_4$ $\stackrel{}{=}$ $2PbSO_4 + 2H_2O$

Note: Panasonic Sealed Lead Acid batteries are a sealed, non-spillable design. Under normal use and handling the customer has no contact with the internal components of the battery or the chemical hazards. Under normal use and handling these batteries do not emit regulated or hazardous substances. Warning: Battery terminals/posts and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands thoroughly after working with batteries and before eating, drinking or smoking.

Section III: Physical / Chemical Characteristics

Boiling Point:

Electrolyte 110YC - 112YC

Vapor Pressure:

Electrolyte 11.7 mm Hg. at 2010

Vapor Density (AIR = 1):

Electrolyte 11.7 min 11g. at 20

Solubility in Water:

Electrolyte 3.4

Lead, Lead Oxide and Lead Sulfate are insoluble in water. Sulfuric Acid is 100% soluble in

water.

Appearance and Odor:

The entire battery is a solid article consisting of an opaque plastic case with two protruding

lead terminals. The battery is odorless. Sulfuric Acid is a liquid.

Specific Gravity (H2O = 1)

Electrolyte 1.300

Health Hazard Information (Acute and Chronic) - Sulfuric Acid only.

The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mist containing sulfuric acid" as a Category I carcinogen, a substance that is carcinogenic to humans. This classification does not apply to liquid forms of sulfuric acid or sulfuric acid solutions contained within the battery. Inorganic acid mist (sulfuric acid mist) is not generated under normal use of this product. Misuse of the product, such as overcharging, may however result in the generation of sulfuric acid mist.

Routes of Entry:

By inhalation (mist), skin and eyes, ingestion.

Acute:

Tissue destruction on contact. May cause 2nd and 3rd degree burns or blindness.

Ingestion will cause corrosive burns on contact. May be fatal if swallowed.

Chronic:

Inhalation of mists may cause upper respiratory irritation.

Signs and Symptoms:

Irritation and burning of exposed tissues.

Medical Conditions:

Respiratory disorders may be aggravated by prolonged inhalation of mists.

Revised September05 Form: MSDS-LC 01/R2 Printed on recycled paper

Panasonic[®]

MATERIAL SAFETY DATA SHEET LC SEALED LEAD ACID BATTERY SERIES

Section IV: Emergency and First Aid Procedures

Battery Electrolyte

Inhalation: Remove to fresh air. Give oxygen or artificial respiration if needed. Get immediate

medical attention.

Eye Contact: Flush with plenty of water for at least 15 minutes. Get immediate medical attention.

Skin Contact: Remove contaminated clothing and flush affected areas with plenty of water for at least 15

minutes.

Ingestion: Do not induce vomiting. Dilute by giving large quantities of water. If available give several

glasses of milk. Do not give anything by mouth to an unconscious person.

Give CPR if breathing has stopped. Get immediate medical attention.

Section V: Fire and Explosion Hazard Data

Flash Point: Not Applicable

Flammable Limits: Lower 4.10% (Hydrogen gas) Upper 74.20%

Extinguishing Media: Dry chemical, foam, halon or CO₂.

Special Fire Fighting Procedures:

If batteries are on charge, turn off power. Use positive pressure, self-contained breathing apparatus in fighting fire. Water applied to electrolyte generates heat and causes it to splatter. Wear acid resistant clothing. Ventilate area well.

Unusual Fire and Explosion Hazards:

Hydrogen and oxygen gases are generated in cells during normal battery operation or when on charge. (Hydrogen is flammable and oxygen supports combustion). These gases enter the air through the vent caps during battery overcharging. To avoid risk of fire or explosion, keep sparks and other sources of ignition away from the battery. Do not allow metal objects to simultaneously contact both positive and negative terminal of batteries. Ventilate area well.

Section VI: Reactivity Data

Stability: Stable under normal conditions.

Conditions to Avoid: Sparks and other sources of ignition. Prolonged overcharge. Fire or explosion hazard due to

possible hydrogen gas generation.

Incompatibility:

Combination of sulfuric acid with combustibles and organic materials may cause fire and explosion. Avoid strong reducing agents, most metals, carbides, chlorates, nitrates, picrate.

Hazardous Decomposition Products: Hydrogen gas may be generated in an overcharged condition, in fire or at very high temperatures. CO, CO₂ and sulfur oxides may emit in fire.

Hazardous polymerization will not occur.

Section VII: Precautions for Safe Handling and Use

Steps to be Taken in Case of Broken Battery Case or Electrolyte Leakage:

Neutralize any electrolyte or exposed internal battery parts with soda ash (sodium bicarbonate) until fizzing stops. Keep untrained personnel away from electrolyte and broken battery. Place broken battery and clean-up materials in a plastic bag or non-metallic container. Dispose of clean-up materials as a hazardous waste. Ventilate area as hydrogen gas may be given off during neutralization.

Waste Disposal Method:

Federal and State laws prohibit the improper disposal of all lead acid batteries. The battery end users (owners) are responsible for their batteries from the date of purchase through their ultimate disposal. The only legally acceptable method of disposal of lead acid batteries is to recycle them at a Resource Conservation and Recovery Act (RCRA) approved secondary lead smelter. The Panasonic SAV-LEAD Recycling Program allows for the recycling of lead-acid batteries in an environmentally sound manner. For more information on the SAV-LEAD Recycling Program call toll-free, 1-800-SAV-LEAD (1800-728-5323). These batteries are chemically identical to common automotive starter batteries and can be recycled with automotive lead-acid batteries.

HAZARDOUS WASTE CODES: D002, D008.

Precautions to be Taken in Handling, Storing and Transportation:

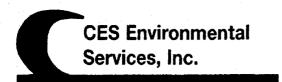
Store in cool, dry area away from combustible materials. Do not store in sealed, unventilated areas. Avoid overheating and overcharging.

Other Precautions:

Do not charge in unventilated areas. Do not use organic solvents or other than recommended chemical cleaners on battery.

Printed on recycled paper

Express Boing 2073 Prof# 2073



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Ron Kohler

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2073

Generator: Express Boring **Address:** 6545 N. Eldrige

Houston, TX 77081

Waste Information

Name of Waste: Oily debris
TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Floor sweepings and clean up

Color: grey

Odor: hydrocarbon

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

Feb. 28. 2007 4:07PM

No. 1971 P. 2

CES Environmental Services, Inc.

MB

4904 Griggs Road Phone: (713) 676-1469 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenviroamental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD088950461 ISWR No: 30980

SECTION 1: Gasar	ntor Information	Lepres Borin	4	· · · · · · · · · · · · · · · · · · ·
Address:	6545 N	· Clarice	7	
City, State, Zip:		e. 22 081		
Contact:	Roby Page		Title:	Duna
Phone No:	713-141-400		Fax No:	
24/hr Phone:				
U.S. EPA LD. No:	NIA		-	ι . Λ .
State LD.	NIA		SIC Code:	NA
				
SECTION 2: BONIA: Company:	Information - Sen			
Address:	22 Autom	01.		
	Hush			
City, State, Zip:	Til KI hadi	Title:	Bus Me	
Costact:	The leader with	Fox No:	78.671-	YEL
Phone Not	7/3-61-7376	Lax Mar	- 111.516	0).
SECTION 3. Gener) Description of the W	facts		
Name of Waster <u>O</u> Detailed Description	by debris of from Generaling	Waster Avor	surpings,	clen-up
Physical States			Dowder Combination	
Color: Grey	Ode	in The Grace compon	•	
Specific Gravity (wa	ter-1): rt H	Dessity: A balgal		
Layers:	Single-phase	1 Multi-phase		
Container Type:	<u> </u>	□ Tabe 〔] Track	Other (explain)
Container Size:	ssy.	-		
Frequency: Number of Units (ca		Monthly Other:	Quarterty	Yearly
Term State Waste C		-11-		
		Berne A		
Proper U.S. DOT Sh	ibbing Meme:	Non-Pu	10 bakeliz	h moterial
Ches: Na	unna:	Na	PG: na	RQ: nc
Flash Point	PH Neutral P	leactive Sulfides	Reactive Cya	aides Solids 20 %
Olid Greate	TOC > 1500mpf	Zine // mg/l	Copper mg/l	Nickel 2 mg/l

Feb. 28. 2007 4:07PM

No. 1971 P. 3

SECTION 4: Physical and Chemical Bats

· · · · · · · · · · · · · · · · · · ·	C. William	er%	
The waste consists of the following materials	Ranges are neceptable		
<u>oi</u>		701	
sludel		(40)	
Nah A's		20	

SECTION 5: Solicy Related Data If the hundling of this weste requires the use of special protective — Standand	e squipment, piame explain.
SECTION 6: Attached Supporting Decuments List all documents, notes, data, and/or analysis attached to this s None	orm so part of the waste approval package.
SECTION 7: Incompatibilities Please list all incompatibilities (if my): None	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, listengenerator knowledge:	A below, WAS NOT PERFORMED best I upon the following
TCLP Metab: TCLP Volatiles: TCLP Semi-Volatiles: Resetivity: Correctivity: Igaitability:	
SECTION 9: Generator's Cortification	
The information contained herein is based on T generator knowled attached description is complete and accurate to the best of my including of composition properties exist and that all known or substitute of all materials described by this document.	knowledge and ability to determine that no deliberate or willful sepected hazards have been disclosed. I certify that the materials
Printed Name/Title: C. Raymond Rice S.	Date: 1/10/01
CES USE ONLY (DO NOT WRITE IN THE SPACE) Compliance Officer: Subbun Chan Chan Approved Rejected	Additional information: REC
Approval Number: 2073	

<u>s</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? TYES TO
If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
	als Subcutegory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	<u>Subcategory:</u> Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Orga	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation
╡	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and	grease at or in excess	of 100 mg/L, the wa	aste should be classifi	ed in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, co	opper,	or
•	nickel above any of the values listed above, the waste should be classified in the organics subcategory.		

Metals	Subcategory

П	Oils	Subcategory

Organics	Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

APEX Instrument 2074
Proft2074

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/27/2007

Dear Greg Rybarski

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2074

Generator: APEX Instruments Corporation

Address: 1940 FM 389

Brenham, TX 77834-0402

Waste Information

Name of Waste: Machine coolant TCEO Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Grinding and cutting of metal

Color: brown/aqua

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General	SECTION 1: Generator Information				
Company:	APEX Instrument	s Corporation			
Address:	1940 FM 389				
City, State, Zip:	Brenham, TX 77	834-0402			
Contact:	Greg Rybarski		Title:	Purchasing	
Phone No:	979-251-7277	•	Fax No:	979-251-7365	
24/hr Phone:	CES-713-417-573	7			
U.S. EPA I.D. No: //	CESOG			2 .	
State I.D.	CESQG		SIC Code:	NIA	
State I.D.					_
SECTION 2: Billing	Information _	Same as Ahave			
	PEX Instru	ununts			
	P.O. Box 402		· · · · · · · · · · · · · · · · · · ·		_
	Brenham, TX 7783	1_0402			
	7	AYSKi Title:			
Contact: _(-reg Ky Do	Fax No:			
Phone No:		rax No:			_
SECTION 3: General	al Description of th	e Waste			
Name of Waste: Mac Detailed Description		ing Waste: Grinding and	cutting of metal		
m	NZ 12	Cludes	Powder		
Physical State:	∠ Liquid ✓ Liquid Liquid	Sludge	=		
	Solid Solid	Filter Cake	Combination	1	
•			•		
Color: brown/aqua	•	Odor: <u>oil like</u>			
Specific Gravity (was	ter=1): <u>.85-1.0</u>	Density: 8 lbs/gal			
Layers:	☐ Single-phase	Multi-phase			
<u>_</u>	6 2 D	[] T-4-	Truck	Other (explain)	
Container Type:	⊠ Drum	Tote		Other (explain)	
Container Size:	<u>55 gal</u>		<u>3000</u>		
_	□ Weelds.	☐ Monthly	Quarterly	∑ Yearly	
Frequency:	☐ Weekly			□ rearry	
Number of Units (containers): 10 dm/qtr Other: 1 bulk/yr					
Texas State Waste Code No: NA-Recyclable Material					
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Material					
Class: NA	UN/N	A: NA	PG: NA	RQ: NA	—
CISSS: IVA	OMM	4 B4			
Elach Pai-+	pH	Reactive Sulfides	Reactive Cy	anides Solids	
Flash Point >140	neutral	Omg/l	Omg/I	<3%	
	TOC	Zinc	Copper	Nickel	\dashv
Oil&Grease	>1500mg/l	Omg/i	Omg/I	Omg/I	I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
oil	10-30	%
Coolant/Water Mixture	70-90	%
Metal Shavings, Dirt	0-3	%
		 -
		

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Chlor-D-Tect

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	X
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Date: 2-27-07
Printed Name/Title: GARY RUETER	OWNER
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Date: 2-27-06 Approved Rejected Approval Number: 2074	Additional Information:

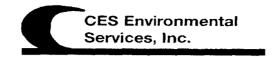
SE	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is t	his material a wastewater or wastewater sludge? YES NO
If '	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	ls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Organ</u>	ics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.				
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.				
	Chrom Coppe	um: 0.2 mg/L ium: 8.9 mg/L :: 4.9 mg/L :: 37.5 mg/L			
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.			
		Metals Subcategory			
		Oils Subcategory			

SECTION 11: Additional Instructions

Organics Subcategory

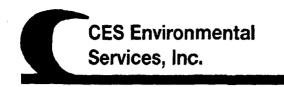
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Sample Evaluation Form

Sample ID # <u>00/2</u>	Date $\angle 1 \underline{24} \underline{0}$
Please Complete This Section	,
Generator / Customer Name : PALEX	
Name or Type of Waste: Machine Codent	- oil
Process Generating Waste: Machine Guirding	
Number of Samples : Submitted By :	<u> </u>
Analysis To Be Completed: (h(or 17-Tect	
Turnaround Time :	
Other:	
(Lab Use Only)	
Sample Results: PASSED CHUR DITEC	<u>T</u>
Suggested Method of Treatment :	
Suggested Price Range :	
Sample Results Reported to	
Test Completed By: Ac Date: 2 122 107 Time	·

Milson 2075 Prof# 2075



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2075

Generator: Wilson

Address: 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: RCRA empty drums

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Empty product drums

Color: various

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

60

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information Company: Wilson Address: 1302 Conti City, State, Zip: Houston, TX 77002 Contact: Jesse Lopez HSE Mgr. Title: 713-237-3700 Phone No: Fax No: 713-237-3422 CES-713-417-5737 24/hr Phone: U.S. EPA I.D. No: TXD981913817 SIC Code: State I.D. 74212 **SECTION 2:** Billing Information – ⊠ Same as Above Company: Address: City, State, Zip: Title: **Contact:** Phone No: Fax No: **SECTION 3:** General Description of the Waste Name of Waste: RCRA Empty Drums Detailed Description of Process Generating Waste: Empty Product Drums **Physical State:** ☐ Liquid ☐ Sludge Powder ⊠ Solid Filter Cake ☐ Combination Color: various Odor: none Specific Gravity (water=1): 1.2 Density: 9 lbs/gal Layers: **⊠** Single-phase Multi-phase Container Type: Drum Tote Truck Other (explain) Container Size: 55 gal Frequency: Weekly Monthly \Box Quarterly Yearly Number of Units (containers): 2-5 Other: **Texas State Waste Code No:** NA-Recyclable Material Proper U.S. DOT Shipping Name: Non-RCRA: Non-DOT Regulated Material Class: NA UN/NA: NA PG: NA RQ: NA Flash Point >140 NA Reactive Sulfides pH Reactive Cyanides Solids neutrar NA 100% 0mg/l0mg/IOil&Grease TOC Zinc Copper Nickel <1500mg/l <1500mg/l 0mg/l0mg/l 0mg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Empty Metal Drums	0-100	%	
Empty Poly Drums	0-100	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLF Metals:	$-\underline{X}$
TCLP Volatiles:	\mathbf{X}
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	$\overline{\mathbf{x}}$
Ignitability:	$\bar{\mathbf{x}}$

Authorized Signature:

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document. Date: 02/19/09

Printed Name/Title:	Tyra R Blackshear Environmental Coordinator
CES USE ONLY (DO NOT	T WRITE IN THIS SPACE)
Compliance Officer: _	Robbin Robbin Additional Information:
Date: 3-1-07	Approved Rejected REC
Approval Number:	2075

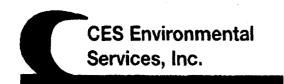
SE	C110N 10: Waste Receipt Classification Under 40 CPR 437
Is t	his material a wastewater or wastewater sludge? YES NO
If "	Yes', complete this section.
PL.	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	ls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils !	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.				
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.			
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L nr: 4.9 mg/L l: 37.5 mg/L			
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.			
		Metals Subcategory			
		Oils Subcategory			
	П	Organics Subcategory			

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Wilson 2076 Prof#2076



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile# 2076

Generator: Wilson Address: 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: Soil contaminated with Wilson Jet Might Cleaner

TCEQ Waste Code #: 30103021

Container Type:

Detailed Description of Process Generating Waste:

Unused product drums were punctured and contaminated soil was placed into 55 gallon

drums.

Color: brown

Odor: soap like

pH: neutral

Physical State:

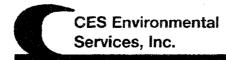
Incompatibilities: acids and oxidizers
Safety Related Data/Special Handling:

level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	ator Information			
Company:	Wilson			
Address:	1302 Conti			
City, State, Zip:	Houston, TX 77002	2		!
Contact:	Jesse Lopez		Title:	HSE Mgr.
Phone No:	713-237-3700		Fax No:	713-237-3422
24/hr Phone:	CES-713-417-5737			
U.S. EPA I.D. No:	TXD981913817		•	
State I.D.	74212		SIC Code:	5085
				2000
SECTION 2: Billing	Information - X S	ame as Ahove		
Company:	Intollitation V D	10071		
Address:				
City, State, Zip:	· · · · · · · · · · · · · · · · · · ·			
Contact:		Title:		
Phone No:		Fax No:		
I hone No:		rax Nu:	····	
070070070				
SECTION 3: Genera	al Description of the	Waste		
12.1 AL WHY , 24 14	~	ta e alema Lova		
		ilson Jei Mighi Cleaner	ī	
	of Process Generali	ig Waste: Unused product	drums were pun	ctured and contaminated soil was place into
55 gallon drum				
Dharda al Ctata				
Physical State:	Liquid	Sludge =	Powder	
	⊠ Solid	Filter Cake	Combination	İ
Color: brown	0	dor: soap like		
Specific Gravity (wat	ter=1): 1.4	Density: 12 lbs/gal		
Layers:	⊠ Single-phase	☐ Multi-phase		
zayers.	23 Single-phase	water paase		•
C 4	K71 - 5			
Container Type:	□ Drum	☐ Tote	Truck	Other (explain)
Container Size:	<u>55 gal</u>	مقسمية ماة ومقطعة مرمانان ويجيد		,
T	T 377 . 323	[] ng	0	N7 1
Frequency:	■ Weekly	Monthly	Quarterly	⊠ Yearly
Number of Units (con	itainers): <u>1-2</u>	Other:		
Texas State Waste Co	ode No:	30103021		
Proper U.S. DOT Shi	nning Nama:	Non-RCRA; Non-DO	F Damleted Mai	Torica
rroper 0.5, DOI 5m	pping rame:	Noil-RCRA, Noil-DO	Regulated Mai	
Class: NA	UN/NA	: NA	PG: NA	RQ: NA
***		<u> </u>		
Flash Point	pH	Reactive Sulfides	Reactive Cy	anides Solids
<u>>140</u>	, - ,	<u>0</u> mg/l	<u>0</u> mg/l	<u>100</u> %
Oil&Grease	TOC		Copper	Nickel
<1500mg/l	<1500mg/l	i i	0mg/l	<u>0</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Wilson Jet Might Cleaner W/2-Butoxyethanol, alkaline based surfactant	3-10	%
Soil	90-97	%
·		

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level ${\sf C}$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

acids and oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below. WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	$\underline{\mathbf{X}}$
TCLP Volatiles:	X
TCLP Semi-Volatiles:	$\overline{\mathbf{X}}$
Reactivity:	\overline{X}
Corresivity:	$\overline{\mathbf{x}}$
Ignitability:	$\bar{\mathbf{x}}$

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Tyra R Blackshear	
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Pobland Approved Rejected	Additional Information:
Approval Number: 2076	

SE	ECTION 10: Waste Receipt Classification Under 40 CFR 437	
Is t	this material a wastewater or wastewater sludge? YES NO	
If,	Yes', complete this section.	
PL	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEX	T PAGE.
<u>Meta</u>	als Subcategory: Subpart A	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment	
Oils .	Subcategory: Subpart B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants	
	Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water	
	Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste	
	Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
<u>Orga</u>	anics Subcategory: Subpart C	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol	
	Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	

(1)	II the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L num: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



MATERIAL SAFETY DATA SHEET

Product Name

Section 1. Chemical Product and Company Identification Wilson Jet Might Cleaner

Product Code

Chemical Name CAS#

Not Applicable - Mixture

Mixture

Manufacturer

South Coast Products, Inc. 20 Southbell Industrial Dr.

Houston, TX 77047 USA

1-800-255-3924 or +813-248-0585

In Case of Emergency Uses Industrial cleaner

Section 2. Composition and Information on Hazardous Ingredients

Name

CAS#

% by Weight

OSHA PEL

ACGIHTLY

2-Butoxyethanol

111-76-2

2-3

50 ppm TWA

25 ppm TWA

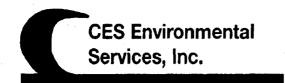
* No toxic chemicals subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.

SPECIAL NOTE: MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under normal conditions of use, so long as recommended safety precautions are practiced.

Section 3.	Hazards Id	entification	Section 4. First Aid Measures	
		Causes moderate eye irritation, tearing, redness, and blurred vision.	Flush eyes with clean water for at least 15 minutes. If irritatio persists, call a physician.	
Skin Contac	1	May cause drying of skin, irritation, and dermatitis.	Remove any contaminated clothing and wash skin with soap and water. If irritation occurs, call a physician.	
Skin Absorp	otion	Absorption through intact skin not anticipated to be route of entry.	Not applicable.	
Inhalation		Mists may cause chest discomfort, mucous membrane Irritation and coughing.	Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.	
Ingestion		May cause lethargy, gastrointestinal irritation, nausea, vomiting, and diarrhea.	If victim is conscious, give 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.	
Sensitization	<u>n</u> .	Not a sensitizer under normal conditions.	Section 5. Fire and Explosion Hazards	
Chronic Effe Carcinogeni		May cause dermatitis. No ingredients listed as carcinogenic by IARC or NTP.	Flash Point (method) N/A Auto-Ignition Temp. N/A	
Mutagenic Effects		No data.	Flammable Limits in lel: N/A uel: N/A	
Teratogenic Reproductive		No data. No data.	Air Combustion Products Explosion Hazards In the presence of mechanical impact or static discharge: no explosion risk. Special Fire Fighting None	
			Measures	
Small Spill	Section 6. Accidental Release Measures			
Storage	Section 7. Handling and Storage Store in cool dry area in original or equivalent Handling Wash thoroughly after handling. Do not get in container in accordance with all applicable regulations. Do not expose to extreme heat or flame. Store below 150°F. Section 7. Handling and Storage Wash thoroughly after handling. Do not get in eyes. Follow good hygiene and housekeeping practices. Use in ventilated areas.			
Engineering	Controls	Section 8. Exposure Controls Use with adequate ventilation. Personal	and Personal Protection Protection Oil impervious gloves for prolonged or repeated	

skin contact.

Wilson 2077 Phof# 2077



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2077

Generator: Wilson

Address: 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: Non-hazardous grease

TCEQ Waste Code #: 31106961

Container Type:

Detailed Description of Process Generating Waste:

Out of date unused off-spec product

Color: brown/black

Odor: grease like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com 672
TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Genera	ator Information				
Company:	Wilson				
Address:	1302 Conti				
City, State, Zip:	Houston, TX 7700	02			
Contact:	Jesse Lopez		Title:	HSE Mg	Γ.
Phone No:	713-237-3700		Fax No:	713-237-	
24/hr Phone:	CES-713-417-573	entropropries announced an	(1988) - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	A. B. St. St. St. St. St. St. St. St. St. St	
U.S. EPA I.D. No:	TXD981913817			~ ^	\
State LD.	74212		SIC Code:	\sum_{i}	35
· ·					
SECTION 2: Billing	Information – 🖂 S	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:	The state of the s	Title:			
Phone No:		Fax No			
Fuone No:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	rax No			
SECTION 3: Genera	al Description of the	e Waste			
Name of Waste: Non Detailed Description		ing Waste: Out of date:	unused off-spec pro	duct	
Physical State:	☐ Liquid	Sludge .	Powder		
i nysicai State.			_		
	⊠ Solid	Filter Cake	☐ Combinatio	n	
Color: brown/black		Odor: grease like			
Specific Gravity (wat	ter=1): <u>1.2</u>	Density: 9 lbs/gal			
Layers:	⊠ Single-phase	Multi-phase	e		
Container Type:	Drum	⊠ Tote	Truck	П	Other (explain)
Container Size:		270 gal		bound	(
Container Size.		210 gai	-		· ·
Frequency:	☐ Weekly	Monthly	☐ Quarterly	\boxtimes	Yearly
Number of Units (cor	•	Other:	- *		-
Texas State Waste Co					
Texas State waste Co	oue No:	1106961			
Proper U.S. DOT Shi	ipping Name:	Non-RCRA; Non-	DOT Regulated Ma	aterial	
Class: NA	UN/N.	A: NA	PG: NA	<u> </u>	RQ: NA
Flash Point	рН	Reactive Sulfides	Reactive C	vanides	Solids
≥140	neutral	Omg/l	Omg/I		100%
Oil&Grease	TOC	Zinc	Copper	Nie	ckel
>1500mg/l	>1500mg/l	Omg/I	>2000mg/I	<u>O</u> m	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Grease	100	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. **MSDS**

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Date: 02/19/07
Printed Name/Title: Tyra R. Blackshear Environmental Coordinat	·
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Pobland Approved Rejected	Additional Information: OS L
Approval Number: 2077	

<u>S</u>]	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Met</u>	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Org</u>	anics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations
H	Tank clean-out from organic non-netroleum sources

(1)	n ine	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.		
(2)		If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.		
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L or: 4.9 mg/L i: 37.5 mg/L		
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.		
		Metals Subcategory		
		Oils Subcategory		
		Organics Subcategory		

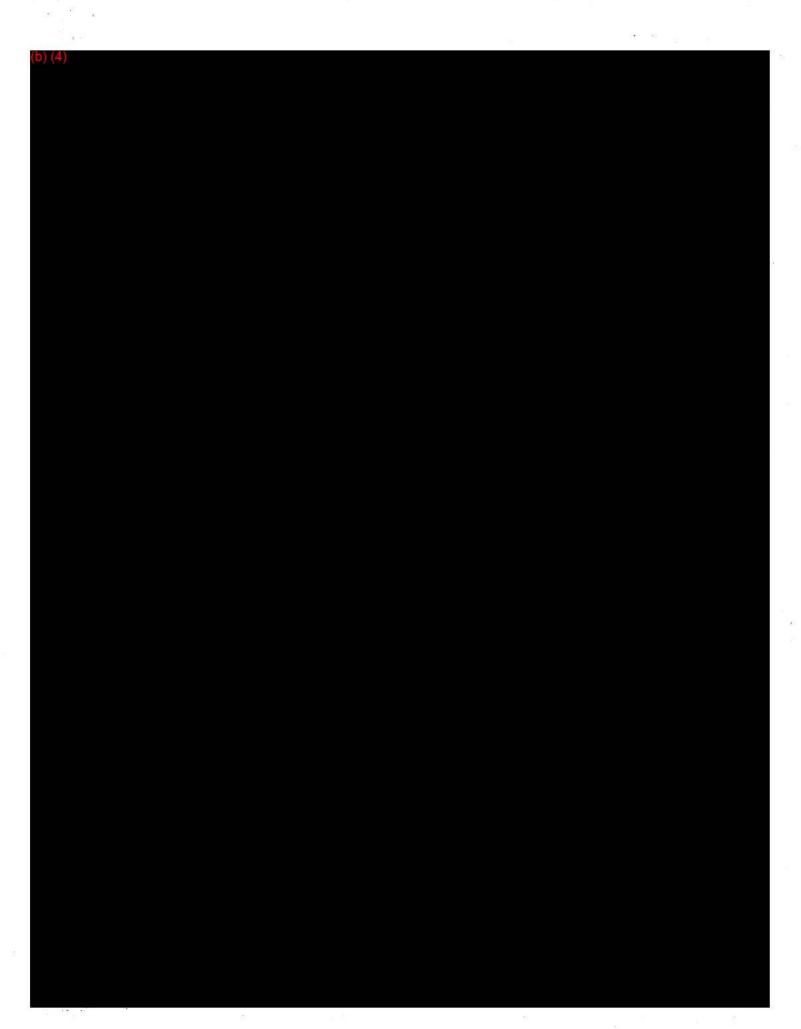
SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

W46440 1402



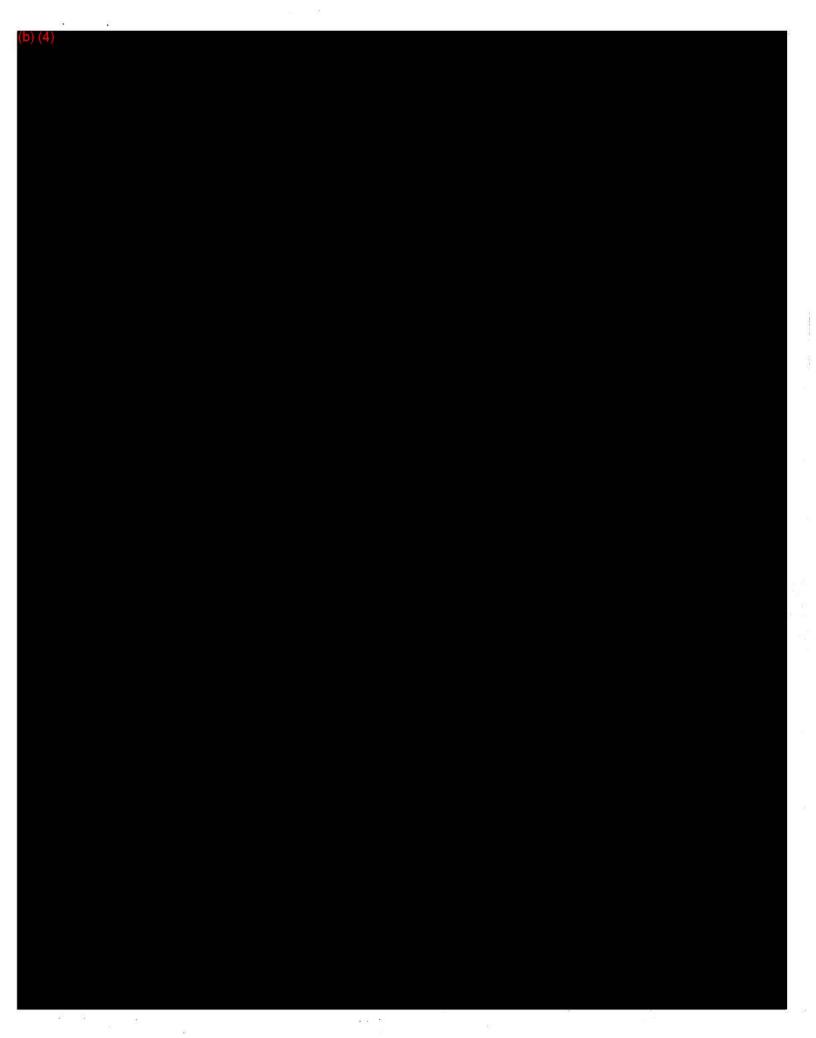
Mystik® JT-6® Multi-Purpose Grease, No. 2 Material Safety Data Sheet





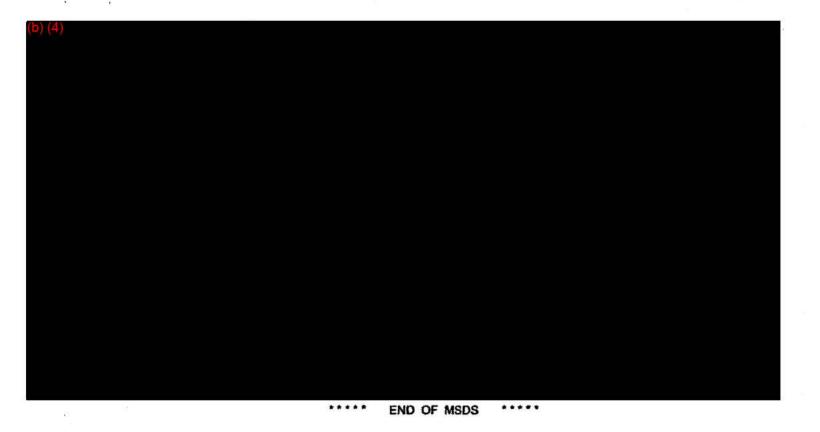












Product may cause irritation to the eyes and/or skin. Ingestion of the product may cause gastrointestinal





MATERIAL SAFETY DATA SHEET

VENDEE AND THIRD PERSONS ASSUMBTHE RISK OF INJUSY PROXIMATELY CAUSED BY THIS PRODUCT IF REASONABLE SAFETY PROCEDURES ARE NOT POLLOWED AS PROVIDED FOR IN THE DATA SHEET, AND VENDOR SHALL MOT BELLAR LEFOR SUCH INJUSY. FURTHERMORE, VENDOR SHALL NOT RELIAR LEFOR PRIVEYTO VENDEE, OR THIS PROSON SPROWN HALL CAUSED BY ANY A SHORMAL LUSE OF THIS PRODUCT EVEN IF REASONABLES AFETY PROCEDURES ARE FOLLOWED. ALL PERSONS URBRING THIS PRODUCT, ALL PERSONS WERE NOW ANAREA WHERE THIS PRODUCT ISSUED, AND ALL PERSONS HAND LINGTHIS PRODUCT SHOULD BE FAMILIAR WITH THE CONTINUES OF THIS DATA SHEET, POSITION OF THE DATA SHEET, POSITION OF THE DATA SHEET, POSIT



Page 1 of 4

Effects of Overexposure
Acute Produc

irritation and upset.

	1. CHEMICAL P	RODUCT AND CO	MPANY	IDENTIFICATION		
TRADE NAME	Metal Free* (* No	(rec elemental metals)				
SYNONYMS N	ot Applicable			INTENDED	USB Industrial	
MANUFACTURER'S NAME Bestalife Corporation			TELEPHONE # (214)631-6070			
ADDRESS 277	Stemmons Freeway Sui	te 1800, Dallas, Texas	75207	TRANSP. EMERGENCY	# (800)424-9300	
FOR ADDITION	AL INFORMATION C	ONTACT Bestolife C	orporation	DATE	Sep-05 Revised	
	2. COMPOSI	TION, INFORMAT	NO NOT	INGREDIENTS		
MATERIAL OR C	DMPONENT	WEIGHT O	SHA	ACGIH	Other	
(CAS#)		% PEL/TW.	Ceiling	TLV/TWA TLV/STEL		
	ixture (CAS# 64742-52-5, IB-77-1 Mixture)	40-60 Smg/m ³⁻⁴	None	5mg/m ¹⁺⁺ lümg/m ³⁺⁺	Not Applicable	
Other Non-Hazardou	s Ingredients					
*Respirab	le Dust	4*Oil Mist, Mineral	**Fume			
	3.	HAZARDS IDEN	TIFICAT	ION		
Routes of Exposus	e for Users					
Skin Contact	May cause imitation.					
	on Organic compounds contained herein may be absorbed through the skin.					
Eye Contact	May cause irritation.					
Ingestion	пустехровите.	•		stion can result in both acute		
Inhalation		azard resulting in both a		heat, etc., the remaining po- nnic overexposure as well :		

lung injury, or other health effects.

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	and/or oil acne.	rated contact with the product may cause a defatting of the skir	, dermatitis, folliculitis
Signs and Sympton	ns of Exposure	Skin or eye irritation; see effects of overexposure described	above.
Aggravated Medic product.	al Conditions	Preexisting eye or skin disorders may be aggravated by pro	longed contact with this
cially with poor p	yatem depressants, a	ons contained in this product are mild irritants of the eyes and and primary chemical irritants of the skin. Prolonged or repea ay cause skin disorders. For combustion product effects see Hambersures.	ted skin contact, espe-
		4. FIRST AID MEASURES	
Eyes Skin Ingestion Inhalation	Wash thoroughly we Get immediate med	amounts of water. Get immediate medical attention. with soap and water after use. If irritation occurs, get medical s itical attention. DO NOT INDUCE VOMITING! Possible aspi soure. Get medical attention if experiencing cough, irritation or	ration hazard.
		5. FIRE FIGHTING MEASURES	
Plash Point Mi	nimum 385°F (196	°C) Test Method: ASTM D 92, C.O.C.	
Flammable Limits	in Air (% by volu	rme, estimated) Lower: Not Available Upper: Not Av	ailable
Auto-ignition Tem	perature No. A	Vailable	
or perforation of spine; calcification Conditions Contri Extinguishing Me	the nasal septum; pon of the ligaments buting to Flammal dia Dry chemical,	te eye, akin or respiratory tract irritation; cough; pneumonia; judymer furne fever; cumulative bone damage: excernive saliva of ribs and pelvis and/or lung damage. Other unidentified hea bility High temperatures; open fiame water fog, foam, or carbon dioxide may be suitable for exting y on burning material. Observe caution when using water or f	tion; thirst; sweating; stiff lth effects may occur.
www.			
Special Fire Fight a positive-pressu		Use full-body protection and full-face, self-contained breat rapray (fog) to cool containers and disperse vapors.	oam as frothing may
a positive-pressu		t spray (fog) to cool containers and disperse vapors.	oam as frothing may
s positive-pressu Unusual Fire and	re mode. Use water	r spray (fog) to cool containers and disperse vapors. Product fume and/or vapor may be irritating or toxic if inh	oam as frothing may thing apparatus operated in gled.
s positive-pressu Unusual Fire and	re mode. Use water Explosion Hazards	r spray (fog) to cool containers and disperse vapors. Product fume and/or vapor may be irritating or toxic if inh	oam as frothing may thing apparatus operated in gled.
s positive-pressu Unusual Fire and	re mode. Use water Explosion Hazards	r spray (fog) to cool containers and disperse vapors. Product fume and/or vapor may be irritating or toxic if inh	oam as frothing may thing apparatus operated in gled.
s positive-pressu Unusual Fire and	re mode. Use water Explosion Hazards	r spray (fog) to cool containers and disperse vapors. Product fume and/or vapor may be irritating or toxic if inh	oam as frothing may thing apparatus operated in gled.

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6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled Clean area with an appropriate cleanser. Keep petroleum products out of streams and waterways. Assure conformity with applicable governmental regulations.

Not Applicable Neutralizing Chemicals

7. HANDLING AND STORAGE

The two major means of absorption are inhalation and ingestion. After use, always wash hands before smoking, eating, or drinking. Smoking, eating, and drinking should be confined to uncontaminated areas.

Work clothes and equipment should remain in designated areas. Before reuse, faunder contaminated clothing separate from personal clothing

Avoid skin contact and use personal protection when handling product, waste product, or contaminated equipment. Wash with soap and water after use. Prolonged and repeated contact can cause defaiting action of the skin and may cause disorders such as dermatitis, folliculitis, and oil acne.

This product is intended for industrial use only. KEEP OUT OF REACH OF CHILDREN.

This product may separate. Stir well before use. The fiash point of this product depends on the degree of separation. Store in a cool, dry area where accidental contact with acids is not possible. Keep storage containers closed when not in use. Do not store or handle near high temperature or open flame.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation Requirements No special requirements under conditions of normal use (air concentrations below PEL/TLV

Specific Personal Protection Equipment

RESPIRATORY None required for normal use. Dry residue may be created by high downhole temperatures; if the residue is removed without a solvent or other means of controlling dust, workers should wear air-purifying respirators. EYE Vented goggles or safety glasses with side shields should be worn when using this product. GLOVE Oil-resistant gloves should be worn when handling this product.

OTHER CLOTHING AND EQUIPMENT As appropriate for the industrial environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT @ 760 mm Hg	550°F (288°C) Approx. IBP	MELTING POINT	320-350°F (160-177°C) dropping point of grease Negligible	
SPECIFIC GRAVITY (H _i O = 1)	t.i	VAPOR PRESSURE (Reference Temperature)		
VAPOR DENSITY (Atr = 1)	STTY Greater than I SOLUBILITY IN H, O (% by wt.)		Negligible	
% volatile By volume	Not Available	EVAPORATION RATE (Butyl Acetate - 1)	Less than 1	
COEFR. WATER/OTL DISTRIBUTION	Not Available	рН	Not Available	
PREEZING POINT	Not Available	ODOR THRESHOLD	Not Available	
APPEARANCE AND ODOR	Gray-black seminolid, oil/gre	ase odor, noncombustible, nonv	olatile under normal use	

10. STABILITY AND REACTIVITY

Conditions Contributing to Instability Not Applicable Reactivity Not Applicable

Incompatibility Strong oxidizers or acids

Hazardons Decomposition Products Under normal temperatures this product will not decompose

Conditions Contributing to Wazardous Polymerization Not Applicable

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11. TOXICOLOGICAL INFORMATION

Toxicity, Mutagenic, Teratogenic, Synergistic and Sensitization Information

The grease has an orel LD (rat) of greater than 2,000 mg/kg and an acute dermal LD (rabbit) of greater than 2,000 mg/kg. LD, and LC, information on other components is not available.

According to the OSHA Hazard Communication Standard, a carcinogenic warning statement is not required.

12. ECOLOGICAL INFORMATION

Not Available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Discard in accordance with local, state, and federal regulations. Empty containers are exempt from RCRA Sublitie C if they contain no more than 2.5 cm of their original contents in the bottom of the container or less than 3% of the original net weight (less than 0.3% by weight for containers over 110 gallons), or if the residue is analyzed and demonstrated to be nonhazardous.

"Empty" Container Warning

"Bripty" containers rotain residue and can be dangerous, DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNI-TION; THEY MAY EXPLODE AND CAUSE INJURY AND/OR DEATH. "Empty" containers should be completely drained and properly sealed. Recycle or discard plastic liner, pail or drum in accordance with local, state, and federal regulations. "Empty" drums may be sent to a drum reconditioner.

14. TRANSPORT INFORMATION

U.S. Department of Transportation This product is not considered a Hazardous Material for shipping under U.S. DOT.

15. REGULATORY INFORMATION

Toxic Chemical Release Reporting, EPA Regulation 40 C.F.R. §372 (SARA Section 313) Reportable chemicals in product: none

Toxic Substances Control Act (TSCA), EPA Regulation 40 C.F.R. §710

The product is a mixture as defined by TSCA. The chemical ingredients in this product are in the Section 8(b) Chemical Substance Inventory (40 C.F.R. §710) and/or are otherwise in compliance with TSCA. In the case of ingredients obtained from other manufacturers, this company relies on the assurance of responsible third parties in providing this statement,

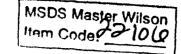
16. OTHER INFORMATION

Not Applicable

MSDS 313G

Page 4 of 4





M01913

B4290000



MATERIAL SAFETY DATA SHEET

VENDEE AND HIND PERSONS ASSUME THE RISK OF INJURY PROXIMATELY (AUSD-DAY HIDS PRODUCT HE REASONABLE SAFETY PROCEDURES ARE NOT PERLOWED AS PROVIDED FOR NITIES ASSUMED. SAFETY PROCEDURES ARE NOT PERLOWED. HE REASON PROXIMATELY CAUSED BY ANY ASSOMBLE USED FOR SHIPLY IN VENDE OR HIND HE REASON PROXIMATELY CAUSED BY ANY ASSOMBLE LASE CONTINUES HAVE ASSOMBLE ASSET ASSOMBLE SAFETY PROCEDURES ARE FOLLOWED.

ALL PERSONS USING THIS PRODUCT, ALL PERSONS WORKING IN ANAREA WHERE THIS PRODUCT HIS USED. AND AND ASSOMBLE HAVE ALL PERSONS WORKING IN ANAREA WHERE THIS PRODUCT HIS USED. AND ALL PERSONS HAVE HE PROSIDE HAVE IN THE HE PROSECULATION OF THIS DATA SHEET. POSTING THIS DOCUMENT FOR EMPLOYED.



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION TRADE NAME Metal Free* (* No free elemental metals) INTENDED USE Industrial SYNONYMS Not Applicable TELEPHONE # (214)631-6070 MANUFACTURER'S NAME Bestolife Corporation TRANSP. EMERGENCY # (800)424-9300 ADDRESS 2777 Stemmons Freeway Suite 1800, Dallas, Texas 75207 DATE Aug-01 Revised FOR ADDITIONAL INFORMATION CONTACT Bestolife Corporation 2. COMPOSITION, INFORMATION ON INGREDIENTS ACGIH AHZO MATERIAL OR COMPONENT WEIGHT TLV/TWA TLV/STEL PEL/TWA Celling Not Applicable Petroleum Grease Mixture (CAS# 64742-52-5. 40-60 5mg/m3++ 64742-53-6, 64742-01-4, 64742-65-0, 64742-62-7, 7620-77-1, 68783-36-8, 68648-89-5, 1310-65-2) Other Non-Hazardous Ingredients ***Fume **Oil Mist. Mineral *Respirable Dust 3. HAZARDS IDENTIFICATION Routes of Exposure for Users May cause irritation. Skin Contact Skin Absorption Organic compounds contained herein may be absorbed through the skin. Eve Contact May cause irritation. This product may be absorbed by the digestive system. Ingestion can result in both acute and chronic Ingestion If the grease base has been removed, i.e. by volatile solvents, heat, etc., the remaining powders and particles Inhalation can pose an inhalation hazard resulting in both acute and chronic overexposure as well as lung irritation,

Effects of Overexposure Product may cause irritation to the eyes and/or skin. Ingestion of the product may cause gastrointestinal irritation and upset Chronic Prolonged and repeated contact with the product may cause a defatting of the skin, dematitis, folliculitis and/or oil acne. Signs and Symptoms of Exposure Skin or eye irritation; see effects of overexposure described above. Aggravated Medical Conditions Preexisting eye or skin disorders may be aggravated by prolonged contact with this product Notes to Physician The hydrocarbons contained in this product are mild irritants of the eyes and mucous membranes. central nervous system depressants, and primary chemical irritants of the skin. Prolonged or repeated skin contact, especially with poor personal hygiene, may cause skin disorders. For combustion product effects see Hazardous Combustion Products in Section 5. Fire Fighting Measures. 4. FIRST AID MEASURES fives Flush with copious amounts of water. Get immediate medical attention. Wash thoroughly with soap and water after use. If irritation occurs, get medical attention. Get immediate medical attention. DO NOT INDUCE VOMITING! Possible aspiration hazard. Ingestion Inhalation Remove from exposure. Get medical attention if experiencing cough, irritation or difficult breathing. 5. FIRE FIGHTING MEASURES Flash Point Minimum 385°F (196°C) Test Method: ASTM D 92, C.O.C. Flammable Limits in Air (% by volume, estimated) Lower: 0.6% Upper: 7.0% Auto-ignition Temperature Not Available Hazardous Combustion Products Combustion products are highly dependent on the combustion conditions. CO, CO, CaO, fluorides, oxygenates, and unidentified organic compounds may be formed during combustion. High temperatures may produce vapor and/or dust. Combustion products may cause effects of overexposure as noted in Section 3. Hazards Identification. They may also cause headache: dizziness; coma; convulsion; weakness; drowsiness; tachypnea; nausea; naresthesias; dyspnea; asphygiation; mild to severe eye, skin or respiratory tract irritation; cough; pneumonia; pneumoconiosis; ulceration or perforation of the nasal septum; polymer fume fever; cumulative bone damage; excessive salivation; thirst; sweating; stiff spine; calcification of the ligaments of ribs and pelvis and/or lung damage. Other unidentified health effects may occur. Conditions Contributing to Flammability High temperatures; open flame Extinguishing Media Dry chemical, water fog, foam, or carbon dioxide may be suitable for extinguishing fires involving this product. Do not spray water directly on burning material. Observe caution when using water or foam as frothing may Use full-body protection and full-face, self-contained breathing apparatus operated in Special Fire Fighting Procedures a positive-pressure mode. Use water spray (fog) to cool containers and disperse vapors. Unusual Fire and Explosion Hazards Product fume and or vapor may be irritating or toxic if inhaled. Sensitivity to Impact Not Applicable Sensitivity to Static Discharge Not Applicable

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lung injury, or other health effects.

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Eye Contact

Ingestion

Inhalation

May cause irritation.

lung injury, or other health effects.

overexposure



MATERIAL SAFETY DATA SHEET

VENDER AND THIRD PERSONS ASSUME THE BISK OF INJURY PROXIMATEL, YOU SED PROVIDED FOR IN THE DATA SHEET, AND VENDOR SHALL NOT BE LIABLE FOR SUCH PRISODED FOR IN THE DATA SITEET, AND VENEZA STALL FOR DELIGIOUS ENDING TO BELLAND. THE DATA SITEET AND VENEZA STALL FOR INTERNAL FOR INTERNAL FOR INTERNAL FOR INTERNAL USE OF THIS PRODUCT I FIRM PERSONS FRUMING LELY E AUSED BY ANY ABNORMAL USE OF THIS PRODUCT EVEN IF REASONABLE SAFETY PROCEIDIRES ARE FOLLOWED. ALLPRESONS USING THIS PRODUCT, ALLPERSONS WORKING IN ANAREA WHERE THIS PRODUCT IS USED, AND ALL PERSONS HANDLING THIS PRODUCT SHOULD BE FAMIL.

TRUDUC CID URBLE AND ALL PERSONS HARMLESS HIRS FROM A CONTENT OF THIS DATA SHEET, POSTING THIS DOCUMENT FOR EMPLOYEE NOTHICATION IS RECOMMENDED BY THE VENDOR.



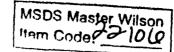
	AL PRODUCT AND COM				
TRADE NAME Metal Free*	(* No free elemental metals)				
SYNONYMS Not Applicable				NTENDED	USF. Industrial
MANUFACTURER'S NAME B	estolife Corporation		TE	LEPHONE	# (214)631-6070
ADDRESS 2777 Stemmons Free	vay Suite 1800, Dallas, Texas 7520)7 T	RANSP, EM	ERGENCY	# (800)424-9300
FOR ADDITIONAL INFORMAT	ION CONTACT Bestolife Corp	oration		DATE	Aug-01 Revised
2. COM	POSITION, INFORMATIO	I NO N	NGREDIE	NTS	
MATERIAL OR COMPONENT	WEIGHT OSH	٨	АСG	111	Other
(CAS#)	% PEL/TWA	Ceiling	TLV/TWA	TLV/STEL	
Petroleum Grease Mixture (CAS# 6474 64742-53-6, 64742-01-4, 64742-65 7620-77-1, 68783-36-8, 68648-89-	-0. 64742-62-7.	None	5mg/m ^{1**}	10mg/m ^{***}	Not Applicable
Other Non-Hazardous Ingredients					
*Respirable Dust	**Oil Mist. Mineral	***Fume			
	3. HAZARDS IDENTI	FICATI	ON		

This product may be absorbed by the digestive system. Ingestion can result in both acute and chronic

If the grease base has been removed, i.e. by volatile solvents, heat, etc., the remaining powders and particles

can pose an inhalation hazard resulting in both acute and chronic overexposure as well as lung irritation,

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Effects of Overexposure Acute Product may cause irritation to the eyes and/or skin function of the product may cause pastrointestinal irritation and upset Chronic Prolonged and repeated contact with the product may cause a defatting of the skin, demnatitis, followlitis and/or oil acne. Signs and Symptoms of Exposure Skin or eye irritation; see effects of overexposure described above. Aggravated Medical Conditions Preexisting eye or skin disorders may be aggravated by prolonged contact with this product. Notes to Physician The hydrocarbons contained in this product are mild irritants of the eyes and mucous membranes, central nervous system depressants, and primary chemical irritants of the skin. Prolonged or repeated skin contact, especially with poor personal hygiene, may cause skin disorders. For combustion product effects see Hazardous Combustion Products in Section 5. Fire Fighting Measures. 4. FIRST AID MEASURES Eyes Flush with copious amounts of water. Get immediate medical attention. Skin Wash thoroughly with soap and water after use. If irritation occurs, get medical attention, Get immediate medical attention. DO NOT INDUCE VOMITING! Possible aspiration hazard. Inecstion Inhalation Remove from exposure. Get medical attention if experiencing cough, irritation or difficult breathing. 5. FIRE FIGHTING MEASURES Flash Point Minimum 385°F (196°C) Test Method: ASTM D 92, C.O.C. Flammable Limits in Air (% by volume, estimated) Lower: 0.6% Upper: 7.0% Auto-ignition Temperature Not Available Hazardous Combustion Products Combustion products are highly dependent on the combustion conditions. CO, CO,, CaO, fluorides, oxygenates, and unidentified organic compounds may be formed during combustion. High temperatures may produce vapor and/or dust. Combustion products may cause effects of overexposure as noted in Section 3. Hazards Identification. They may also cause headache: dizziness: coma: convulsion; weakness: drowsiness: tachyonea: nausea: paresthesias: dyspnea; asphyxiation; mild to severe eye, skin or respiratory tract irritation; cough; pneumonia; pneumoconiosis; ulceration or perforation of the nasal septum; polymer fume fever; cumulative bone damage; excessive salivation; thirst; sweating; stiff spine; calcification of the ligaments of ribs and pelvis and/or lung damage. Other unidentified health effects may occur. Conditions Contributing to Flammability High temperatures; open flame Extinguishing Media Dry chemical, water fog, foam, or carbon dioxide may be suitable for extinguishing fires involving this product. Do not spray water directly on burning material. Observe caution when using water or foam as frothing may Special Fire Fighting Procedures Use full-body protection and full-face, self-contained breathing apparatus operated in a positive-pressure mode. Use water spray (log) to cool containers and disperse vapors. Unusual Fire and Explosion Hazards Product fume and or vapor may be irritating or toxic if inhaled. Sensitivity to Impact Not Applicable Sensitivity to Static Discharge Not Applicable

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6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled Clean area with an appropriate cleanser. Keep petroleum products out of streams and waterways. Assure conformity with applicable governmental regulations.

Neutralizing Chemicals Not Applicable

7. HANDLING AND STORAGE

The two major means of absorption are inhalation and ingestion. After use, always wash hands before smoking, eating, or drinking. Smoking, eating, and drinking should be confined to uncontaminated areas.

Work clothes and equipment should remain in designated areas. Before reuse, launder contaminated clothing separate from personal clothing.

Avoid skin contact and use personal protection when handling product, waste product, or contaminated equipment. Wash with soap and water after use. Prolonged and repeated contact can cause defatting action of the skin and may cause disorders such as dermatitis, follicultitis, and oil acne.

This product is intended for industrial use only. KEEP OUT OF REACH OF CHILDREN.

This product may separate. Stir well before use. The flash point of this product depends on the degree of separation. Store in a cool, dry area where accidental contact with acids is not possible. Keep storage containers closed when not in use. Do not store or handle near high temperature or open flame.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventitation Requirements No special requirements under conditions of normal use (air concentrations below PEL/TLV levels).

Specific Personal Protection Equipmen

RESPIRATORY None required for normal use. Dry residue may be created by high downhole temperatures: if the residue is removed without a solvent or other means of controlling dust, workers should wear air-purifying respirators.

EYE Vented goggles or safety glasses with side shields should be worn when using this product.

GLOVE Oil-resistant gloves should be worn when handling this product.

OTHER CLOTHING AND EQUIPMENT

As appropriate for the industrial environment.

	9. PHYSICAL AND C	HEMICAL PROPERTIES	
BOILING POINT @ 760 mm Hg	550°F (288°C) Approx. IBP	MELTING POINT	320-350°F (160-177°C) dropping point of grease
SPECIFIC GRAVITY (H ₁ O = 1)	1.1	VAPOR PRESSURE (Reference Temperature)	Negligible
VAPOR DENSITY (Air = 1)	Not Available	SOLUBILITY IN H,O (% by wt.)	Negligible
% VOLATILE BY VOLUME	Not Available	EVAPORATION RATE (Butyl Acetate = 1)	Not Available
COEFF. WATER/OIL DISTRIBUTION	Not Available	pH	Not Available
FREEZING POINT	Not Available	ODOR THRESHOLD	Not Available
APPEARANCE AND ODOR	Gray-black semisolid, oil/grease odor, noncombustible, nonvolatile under normal use		latile under normal use

10. STABILITY AND REACTIVITY

Conditions Contributing to Instability	Not Applicable	Resctivity	Not Applicable
Incompatibility Strong oxidizers or	acids		
Hazardous Decomposition Products	Under normal tem	peratures this product	will not decompose.

Conditions Contributing to Hazardous Polymerization Not Applicable

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11. TOXICOLOGICAL INFORMATION

Toxicity, Mutagenic, Teratogenic, Synergistic and Sensitization Information

The grease has an oral LD_{xx}(rat) of greater than 2,000 mg/kg and an acute dermal LD_{xx}(rabbit) of greater than 2,000 mg/kg. LD_{xx} and LC_{xx} information on other components is not available.

Carcinogenicity

According to the OSHA Hazard Communication Standard, a carcinogenic warning statement is not required.

12. ECOLOGICAL INFORMATION

Not Available,

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Discard in accordance with local, state, and federal regulations. Empty containers are exempt from RCRA Subtitle C if they contain no more than 2.5 cm of their original contents in the bottom of the container or less than 3% of the original net weight (less than 0.3% by weight for containers over 110 gallons), or if the residue is analyzed and demonstrated to be nonhazardous.

"Empty" Container Warning

"Empty" containers retain residue and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY AND/OR DEATH. "Empty" containers should be completely drained and properly sealed. Recycle or discard plastic liner, pail or drum in accordance with local, state, and federal regulations. "Empty" drums may be sent to a drum reconditioner.

14. TRANSPORT INFORMATION

U.S. Department of Transportation This product is not considered a Hazardous Material for shipping under U.S. DOT.

15. REGULATORY INFORMATION

Toxic Chemical Release Reporting, EPA Regulation 40 C.F.R. §372 (SARA Section 313) Reportable chemicals in product: none

Toxic Substances Control Act (TSCA), EPA Regulation 40 C.F.R. §710

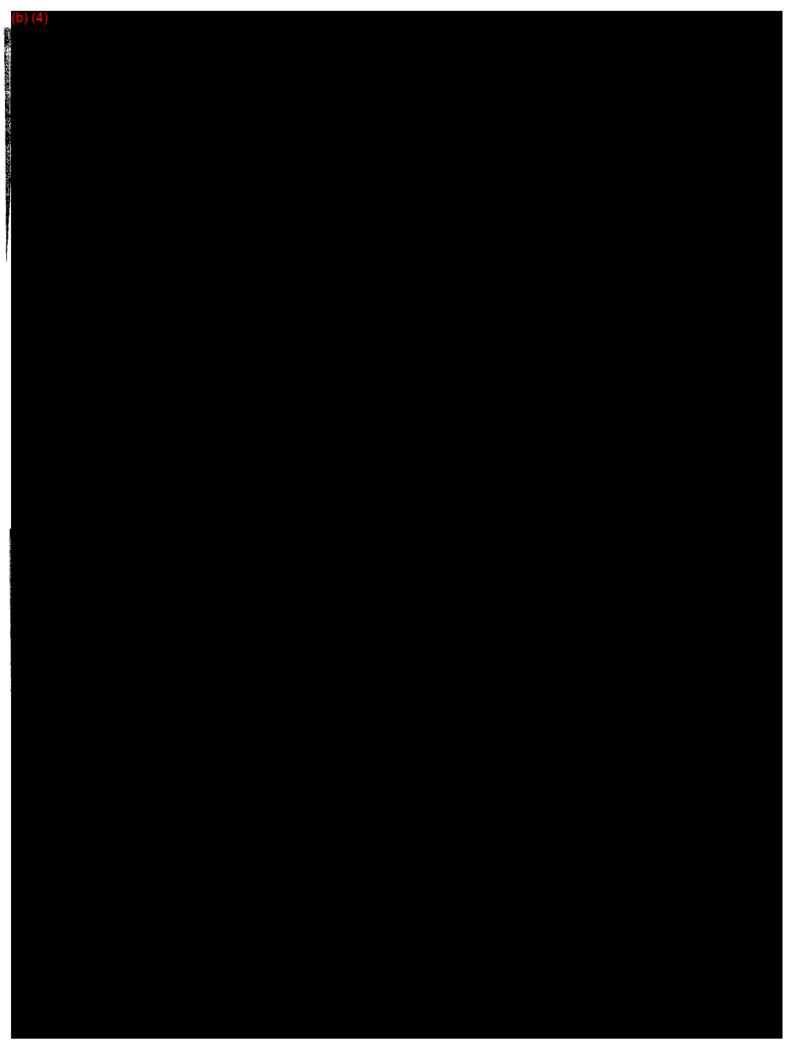
The product is a mixture as defined by TSCA. The chemical ingredients in this product are in the Section 8(b) Chemical Substance Inventory (40 C.F.R. §710) and/or are otherwise in compliance with TSCA. In the case of ingredients obtained from other manufacturers, this company relies on the assurance of responsible third parties in providing this statement.

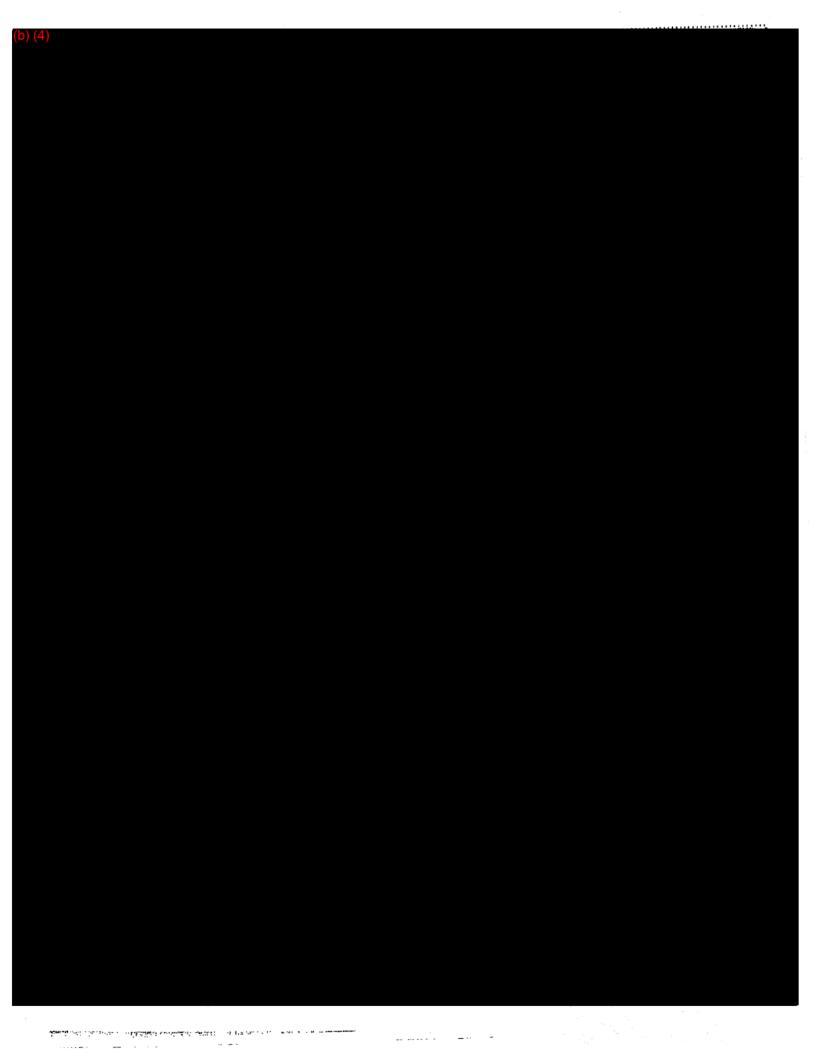
16. OTHER INFORMATION

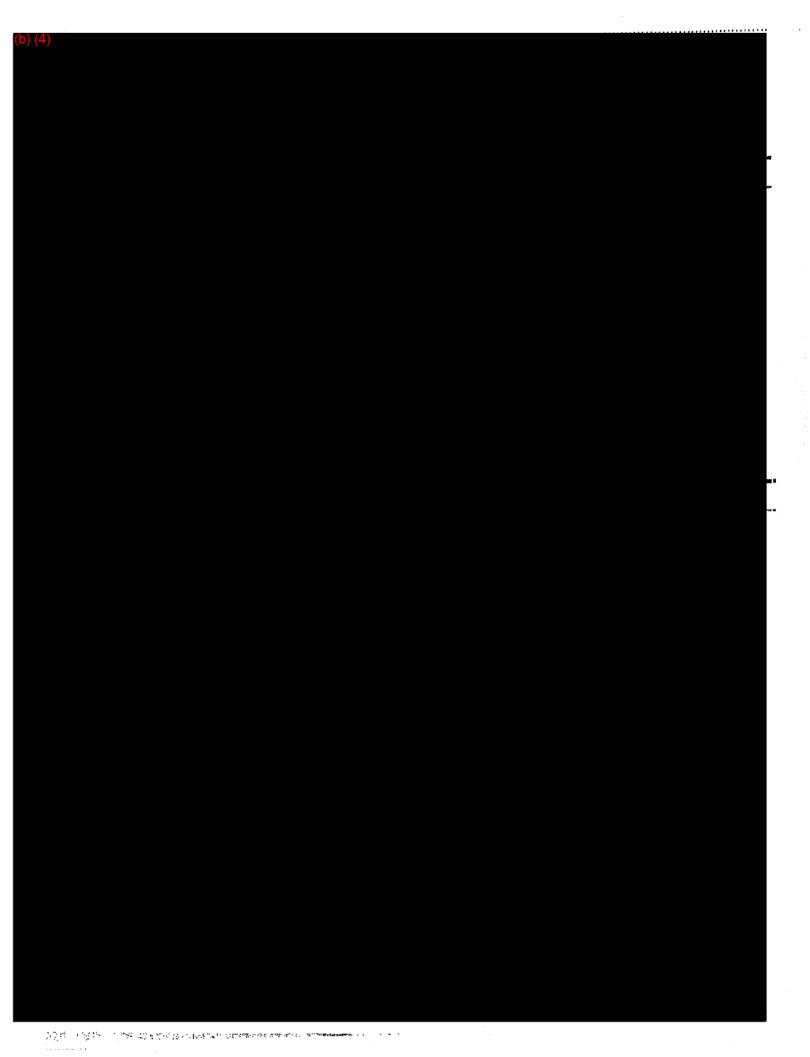
Not Applicable

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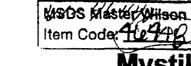


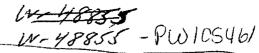


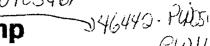




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Mystik® JT-6® Hi-Temp

Grease, No. 1

Material Safety Data Sheet

CITGO Petroleum Corporation P.O. Box 3758

Tulsa, OK 74102-3758

MSDS No.

665003002

Revision Date

09/03/2003

IMPORTANT: Read this MSDS before handling or disposing of this product and pass this information on to employees, customers and users of this product.

E	A	
Emergency	Over	view

Physical State Semi-solid to solid (Smooth texture)

Color

Mild petroleum odor

WARNING:

Injection under the skin can cause severe injury.

Most damage occurs in the first few hours.

Initial symptoms may be minimal.

Hot grease will cause thermal burns upon contact.

Spills may create a slipping hazard.

Rankings

HMIS NFPA

Health Hazard

0

Fire Hazard Reactivity

1 Ω

= Chronic Health Hazard

Protective Equipment

Minimum Recommended See Section 8 for Details







SECTION 1. PRODUCT IDENTIFICATION

Trade Name

Mystik® JT-6® Hi-Temp Grease, No. 1 Technical Contact

(800) 248-4684

Product Number

665003002

Medical Emergency

(918) 495-4700

CAS Number

Mixture.

CHEMTREC Emergency (United States Only)

(800) 424-9300

Product Family

Lubricating grease

Synonyms

Lubricating grease:

CITGO Material Code No.: 665003002

SECTION 2. COMPOSITION

Component Name(s)

Distillates, petroleum, hydrotreated heavy naphthenic

Residual oils, petroleum, solvent-refined

Lithium Carboxylate

Proprietary Ingredients

Distillates, petroleum, hydrotreated light naphthenic Distillates, petroleum, solvent-refined heavy paraffinic

Distillates, petroleum, hydrotreated heavy paraffinic

Zinc and Zinc Compounds

CAS Registry No. 64742-52-5

Concentration (%) 60 - 80

5-20 64742-01-4

1 - 15

Proprietary Mixture Proprietary Mixture 64742-53-6

1-10 0 - 10

64741-88-4 64742-54-7 0 - 30 - 3

Proprietary

0-1

SECTION 3. HAZARDS IDENTIFICATION Also see Emergency Overview and Hazard Ratings on the top of Page 1 of this MSDS. Major Route(s) of Entry Skin contact. Signs and Symptoms of Acute Exposure Inhalation No significant adverse health effects are expected to occur upon short-term exposure at ambient temperatures. At elevated temperatures, product vapor may cause respiratory tract imitation. Repeated or prolonged overexposure to product mists can result in respiratory tract inflammation and an increased risk of infection. **Eye Contact** This material can cause mild eye irritation from contact with product or product mists. This material can cause mild skin irritation from prolonged or repeated skin contact. Skin Contact Injection under the skin can cause inflammation and swelling. Injection of pressurized hydrocarbons can cause severe, permanent tissue damage. Initial symptoms may be minor. Injection of petroleum hydrocarbons requires immediate medical attention. Skin contact with hot material may result in severe burns. Ingestion This material can cause a laxative effect. If swallowed in large quantities, this material can obstruct the intestine. **Chronic Health Effects** This product contains a petroleum-based mineral oil. Prolonged or repeated skin contact Summary can cause mild irritation and inflammation characterized by drying, cracking, (dermatitis) or oil acne. Repeated or prolonged inhalation of petroleum-based mineral oil mists at concentrations above applicable workplace exposure levels can cause respiratory imitation or other pulmonary effects. Disorders of the following organs or organ systems that may be aggravated by significant Conditions Aggravated by Exposure exposure to this material or its components include: Skin **Target Organs** This material may cause damage to the following organs: skin. Carcinogenic Potential This product is not known to contain any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC or NTP. OSHA Hazard Classification is indicated by an "X" in the box adjacent to the hazard title. If no "X" is present, the product does not exhibit the hazard as defined in the OSHA Hazard Communication Standard (29 CFR 1910,1200). **OSHA Health Hazard Classification** OSHA Physical Hazard Classification Combustible Pyrophoric **britant** Sensitize Explosive Highly Toxic Toxic. Oxidizer Water-reactive Flammable Corrosive Carcinogenic Compressed Gas Organic Peroxide Unstable **SECTION 4. FIRST AID MEASURES** Take proper precautions to ensure your own health and safety before attempting rescue or providing first aid. For more specific information, refer to Exposure Controls and Personal Protection in Section 8 of this MSDS.

Vaporization is not expected at ambient temperatures. This material is not expected to cause

Continued on Next Page

inhalation-related disorders under anticipated conditions of use. In case of overexposure,

move the person to fresh air.

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Eve Contact Check for and remove contact lenses. Flush eyes with cool, clean, low-pressure water while

occasionally lifting and lowering eyelids. Seek medical attention if excessive tearing, redness,

or pain persists.

Skin Contact If burned by hot material, cool skin by quenching with large amounts of cool water. For

contact with product at ambient temperatures, remove contaminated shoes and clothing. Wipe off excess material. Wash exposed skin with mild soap and water. Seek medical attention if tissue appears damaged or if pain or irritation persists. Thoroughly clean contaminated clothing before reuse. Discard contaminated leather goods, if material is

injected under the skin, seek medical attention immediately.

Ingestion Do not induce vomiting unless directed to by a physician. Rinse out mouth with water. Never

give anything by mouth to a person who is not fully conscious. Allow small quantities to pass through the digestive system. If large amounts are swallowed or irritation or discomfort

occurs, seek medical attention immediately.

Notes to Physician SKIN: In the event of injection in underlying tissue, immediate treatment should include

extensive incision, debridement and saline imigation. Inadequate treatment can result in

ischemia and gangrene. Early symptoms may be minimal.

INGESTION: Check for possible bowl obstruction with ingestion of large quantities of material.

SECTION 5. FIRE FIGHTING MEASURES

NFPA Flammability

Classification

NFPA Class-IIIB combustible material.

Flash Point

Open cup: >150°C (>302°F) (Estimated).

Lower Flammable Limit No data.

Upper Flammable Limit No data.

Autoignition

Temperature

Not available.

Products

Hazardous Combustion Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and trace oxides

of sulfur, phosphorus, zinc and/or nitrogen.

Special Properties

Fight the fire from a safe distance in a protected location. Open any masses with a water stream to prevent reignition due to smoldering. Cool surface with water fog. Molten material can form flaming droplets if ignited. Water or foam can cause frothing. Use of water on product above 100° C (212° F) can cause product to expand with explosive force. Do not

allow liquid runoff to enter sewers or public waters.

Extinguishing Media

Use dry chemical, foam, Carbon Dioxide or water fog.

Protection of Fire

Fighters

Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or

decomposition products and oxygen deficiencies.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Take proper precautions to ensure your own health and safety before attempting spill control or clean-up. For more specific information, refer to the Emergency Overview on Page 1, Exposure Controls and Personal Protection in Section 8 and Disposal Considerations in Section 13 of this MSDS.

Revision Date Page Number: 3 MISDS No 09/03/2003 Continued on Next Page RESTAURANCE

Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Slipping hazard; do not walk through spilled material. Stop leak if you can do so without risk. For small spills, absorb or cover with dry earth, sand, or other inert non-combustible absorbent material and place into waste containers for later disposal. Contain large spills to maximize product recovery or disposal. Prevent entry into waterways or sewers. In urban area, cleanup spill as soon as possible. In natural environments, seek cleanup advice from specialists to minimize physical habitat damage. This material will float on water. Absorbent pads and similar materials can be used. Comply with all laws and regulations.

SECTION 7. HANDLING AND STORAGE

Handling

If this product is stored or applied in high-pressure systems such as grease guns or hydraulic tines, there is the potential for accidental injection into the skin and underlying tissues. Hydrocarbons injected into skin or underlying tissues are not readily removed by body fluids and can cause pain, swelling, chemical irritation, infection and tissue destruction. Early symptoms may be minimal. Workers must be aware of the significant hazards associated with a hydrocarbon injection injury. In the event of an injection injury, workers should seek medical treatment immediately. Avoid water contamination and elevated temperatures to minimize product degradation. Empty containers may contain product residues that can ignite with explosive force. Do not pressurize, cut, weld, braze solder, drill, grind or expose containers to flames, sparks, heat or other potential ignition sources. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

Storage

Keep container closed. Do not store with strong oxidizing agents. Do not store at elevated temperatures. Avoid storing product in direct sunlight for extended periods of time. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers or waste residues of this product.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

Ventilation controls are not normally required under anticipated conditions of use. Provide exhaust ventilation or other engineering controls if airborne mists or vapors concentrations exceed recommended occupational exposure limits listed below. An eye wash station and safety shower should be located near the work-station.

Personal Protective Equipment

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. The following pictograms represent the minimum requirements for personal protective equipment. For certain operations, additional PPE may be required.



Eye Protection

Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Wear goggles and/or face shield if splashing or spraying is anticipated. Wear goggles and face shield if material is heated above 125°F (51°C). Have suitable eye wash water available.

Hand Protection

Use gloves constructed of chemical resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. Use heat-protective gloves when handling product at elevated temperatures.

MSDS No. 665003002

Revision Date

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Page Number: 4

Body Protection Use clean and impervious protective clothing (e.g., neoprene or Tyvek*) if splashing or

spraying conditions are present. Protective clothing may include long-sleeve outer garment, apron, or lab coat. If significant contact occurs, remove oil-contaminated clothing as soon as possible and promptly shower. Launder contaminated before reuse or discard. Wear heat protective boots and protective clothing when handling material at elevated temperatures.

Respiratory Protection Vaporization is not expected at ambient temperatures. Therefore, the need for respiratory

protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NiOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).

General Comments Use good personal hygiene practices. Wash hands and other exposed skin areas with

plenty of mild soap and water before eating, drinking, smoking, use of toilet facilities, or leaving work. DO NOT use gasoline, kerosene, solvents or harsh abrasives as skin cleaners. Since specific exposure standards/control limits have not been established for this product, the "Oil Mist, Mineral" exposure limits shown below are suggested as minimum

control guidelines.

Occupational Exposure Guidelines

Substance

Oil Mist. Mineral

Applicable Workplace Exposure Levels

ACGIH (United States).
TWA: 5 mg/m³ 8 hour(s).
STEL: 10 mg/m³ 15 minute(s).
OSHA (United States).

USHA (United States). TWA: 5 mg/m³ 8 hour(s).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

Physical State Semi-solid to solid Color Red. Odor Mild petroleum odor

(Smooth texture)

Specific Gravity 0.93 (Water = 1) pH Not Applicable. Vapor >10 (Air = 1)
Density

Boiling Range Not applicable. Melting/Freezing Not available.

Point

Vapor Pressure <0.001 kPa (<0.01 mmHg) (at 20°C) Volatility Negligible volatility.

Solubility in Insoluble in cold water. Viscosity Not available Water (cSt @ 40°C)

Additional NLGI Grade: 1
Properties Thickener: Lithium

SECTION 10. STABILITY AND REACTIVITY

Texture: Smooth

Chemical Stability Stable. Hazardous Polymerization Not expected to occur.

Conditions to Avoid Keep away from extreme heat, sparks, open flame, and strongly oxidizing conditions.

Materials Strong oxidizers.

Incompatibility

Hazardous No additional hazardous decomposition products were identified other than the combustion

Hazardous No additional hazardous decomposition products were identified other than the combustion products identified in Section 5 of this MSDS.

Products

MSDS No. 665003002 Revision Date 09/03/2003 Continued on Next Page Page Number: 5

SECTION 11. TOXICOLOGICAL INFORMATION

For other health-related information, refer to the Emergency Overview on Page 1 and the Hazards Identification in Section 3 of this MSDS.

Toxicity Data

Distillates, petroleum, hydrotreated heavy naphthenic:

ORAL (LD50):

Acute: >5000 mg/kg [Rat].

DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects.

Residual oils, petroleum, solvent-refined:

ORAL (LD50):

Acute: >5000 mg/kg [Rat].

DERMAL (LD50):

Acute: >2000 mg/kg [Rabbit].

Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species

Distillates, petroleum, hydrotreated light naphthenic:

ORAL (LD50): DERMAL (LD50): Acute: >5000 ma/kg [Rat]. Acute: >2000 mg/kg [Rabbil].

INHALATION (LC50) Acute: 9.6 mg/L (Female Rat). INHALATION (LC50) Acute: 10.5 mg/L (Male Rat).

DRAIZE EYE Acute: Non-imitating (Rabbit).

DRAIZE DERMAL Acute: Mild skin irritant (Rabbit). BUEHLER DERMAL Acute: Non-sensitizing (Guinea Pig).

28-Day DERMAL Sub-Chronic: Mild to moderate skin irritant (Rabbit & Rat).

A life-time dermal application of severely hydrotreated light naphthenic oils produced skin masses on mice which correlated with the skin irritation response levels of the test animals. Additional studies attribute these masses to a weak promotional activity. These studies indicate that light naphthenic oils are not mutagenic, tumor initiators nor complete chemical carcinogens. These materials have not been determined to be carcinogenic by IARC, NTP or OSHA.

Distillates, petroleum, solvent-refined heavy paraffinic:

ORAL (LD50):

Acute: >5000 mg/kg [Rat].

DERMAL (LD50): Acute: >2000 mg/kg [Rabbil].

Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species

MSDS No. 665003002 Revision Date

09/03/2003

Continued on Next Page

Page Number: 6

tested. Analyses conducted by method IP 346 indicate that the concentre extractables in this mineral oil is below 3.0 weight percent.

Distillates, petroleum, hydrotreated heavy paraffinic:

ORAL (LD50): DERMAL (LD50): Acute: >5000 mg/kg [Rat]. Acute: >2000 mg/kg [Rabbit].

Mineral oil mists derived from highly refined oils are reported to have low toxicities in animals. Effects from single and short-term repeated exposi concentrations of mineral oil mists well above applicable workplace expolung inflammatory reaction, lipoid granuloma formation and lipoid pneum sub-acute studies involving exposures to lower concentrations of mineral current work place exposure levels produced no significant toxicological studies (up to two years) no carcinogenic effects have been reported in a tested.

Grease:

Injection of pressurized hydrocarbons under the skin, in muscle or into the cause irritation, inflammation, swelling, fever and mild central nervous sy Injection of pressurized hydrocarbons can cause severe, permanent tissue.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity data are not available for this product.

Environmental Fate

An environmental fate analysis has not been conducted on this specific p animals may experience harmful or fatal effects when coated with petrole Petroleum-based (mineral) tube oils will normally float on water. In stagn waterways, an oil layer can cover a large surface area. As a result, this c eliminate natural atmospheric oxygen transport into the water. With time oxygen depletion in the waterway may be sufficient to cause a fish kill or environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Hazard characteristic and regulatory waste stream classification can change with product use the responsibility of the user to determine the proper storage, transportation, treatment and/c methodologies for spent materials and residues at the time of disposition.

Conditions of use may cause this material to become a "hazardous waste federal or state regulations. It is the responsibility of the user to determine "hazardous waste" at the time of disposal. Transportation, treatment, stor of waste material must be conducted in accordance with RCRA regulation through 40 CFR 271). State and/or local regulations may be more restrict RCRA/Superfund Hottine at (800) 424-9346 or your regional US EPA offic concerning case specific disposal issues. Empty drums and pails retain no pressurize, cut, weld, braze, solder, drill, grind, or expose this product's er heat, flame, or other ignition sources. DO NOT attempt to clean it. Empty should be drained completely, properly bunged or sealed, and promptly so reconditioner.

MSDS No. 665003002

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Continued on Next Page

SECTION 14. TRANSPORT INFORMATION

The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.

US DOT Status

Not regulated by the U.S. Department of Transportation as a hazardous material.

Proper Shipping Name

Not regulated.

Hazard Class

Not regulated.

Packing Group(s)

Not applicable.

UN/NA Number

Not regulated.

Reportable Quantity

A Reportable Quantity (RQ) has not been established for this material.

Placard(s)



Emergency Response

Guide No.

Not applicable.

HAZMAT STCC No.

Not available.

MARPOL III Status

Not a DOT "Marine Pollutant" per 49 CFR

171.8.

SECTION 15. REGULATORY INFORMATION

TSCA Inventory This product and/or its components are listed on the Toxic Substances Control Act (TSCA)

inventory.

SARA 302/304 Emergency Planning and Notification The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified.

SARA 311/312 Hazard Identification

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories:

No SARA 311/312 hazard categories identified.

SARA 313 Toxic Chemical Notification and Release Reporting

This product contains the following components in concentrations above de minimis levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA: No components were identified.

CERCLA

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are:

Zinc and Zinc Compounds, Concentration: 0 - 1%

Clean Water Act (CWA)

This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

MISDS No.

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09/03/2003

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California
Proposition 65

This material may contain the following components which are known to to cause cancer, birth defects or other reproductive harm, and may be su requirements of California Proposition 65 (CA Health & Safety Code Section 65).

Toluene: 0.0001%

New Jersey Right-to-Know Label

Petroleum Oil

Additional Regulatory

No additional regulatory remarks.

Remarks

SECTION 16. OTHER INFORMATION

Refer to the top of Page 1 for the HMIS and NFPA Hazard Ratings for this product,

REVISION INFORMATION

Version Number

3.0

Revision Date

09/03/2003

Print Date

Printed on 09/03/2003.

ABBREVIATIONS

AP: Approximately

EQ: Equal >: Greater Than <: Less Than

NA: Not Applicable NO: No Data NE: AIHA: American Industrial Hygiene Ass

ACGIH: American Conference of Governmental Industrial Hygienists

NTP: National Toxicology Program

NIOSH: National Institute of Occupational Safety and Health

IARC: International Agency for Research on Cancer

OSHA: Occupational Safety and Health

NPCA: National Paint and Coating Manufacturers Association

HMIS: Hazardous Materials Information

NFPA: National Fire Protection Association

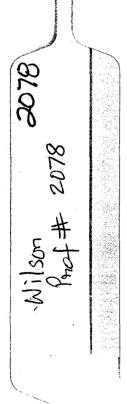
EPA: US Environmental Protection Age

DISCLAIMER OF LIABILITY

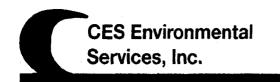
THE INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES WHICH WE BELIEVE A HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR REGARDING ITS CORRECTNESS. SOME INFORMATION PRESENTED AND CONCLUSIONS I FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE SUBSTANCE ITSELF. THIS MS AND IS TO BE USED ONLY FOR THIS PRODUCT. IF THE PRODUCT IS USED AS A COMPON PRODUCT, THIS MSDS INFORMATION MAY NOT BE APPLICABLE. USERS SHOULD MAKE INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION OR PRODUCTS PARTICULAR PURPOSE.

THE CONDITIONS OR METHODS OF HANDLING, STORAGE, USE, AND DISPOSAL OF THE P BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGI ARISING OUT OF OR IN ANY WAY CONNECTED WITH HANDLING, STORAGE, USE OR DISPIPRODUCT.

** END OF MSDS ****



8-42 8-42 1-09 1-09 1-09 1-09



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/28/2007

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2078

Generator: Wilson
Address: 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: Wilson Jet Might Cleaner

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Unused product - damaged container

Color: blue

Odor: soap like

pH: 10-11.5

Physical State:

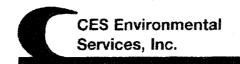
Incompatibilities: acids and oxidizers
Safety Related Data/Special Handling:

level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

612

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene					
Company:	Wilson				
Address:	1302 Conti				
City, State, Zip:	Houston, TX 770	002			
Contact:	Jesse Lopez		Title:	HSE Mgr.	
Phone No:	713-237-3700		Fax No:	713-237-3422	
24/hr Phone:	CES-713-417-57	37		. מע	
U.S. EPA I.D. No:	TXD981913817			200	Mr
State I.D.	74212		SIC Code:	10 DC	185
SECTION 2: Billin	ıg Information – 🔀	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax No	o:		
SECTION 3: Gene	ral Description of tl	ne Waste			
Name of Waste: W Detailed Description		<u>ier</u> s ing W aste: <u>Unused pro</u>	ductulanaged contr	<u>dner</u>	
Physical State:	□ Liquid □ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combination	n	
Color: blue		Odor: soap like			
Specific Gravity (wa	ater=1): <u>1.0-1.1</u>	Density: 8 lbs/gal			
Layers:	Single-phase	Multi-phas	e		
Container Type:	□ Drum	☐ Tote	Truck	Other	(explain)
Container Size:	55 gal	Assumed and the second	Received 100 100 100 100 100 100 100 100 100 10	Amend — -	- (wage
Frequency:	☐ Weekly	☐ Monthly	Quarterly		y ·
Number of Units (co		Other:	<u>.</u>		•
Texas State Waste		A-Product	•		
Proper U.S. DOT S	hipping Name:	Non-RCRA; Non	-DOT Regulated M	aterial	
Class: NA	UN/M	NA: NA	PG: N	A	RQ: NA
Flash Point	pH	Reactive Sulfides	Reactive C	Vanidae S.	olids
>140	10-11.5	Omg/I	Omg/l	•	% %
Oil&Grease	TOC	Zinc	Copper	Nickel	/ / · · · · · · · · · · · · · · · · · ·
<1500mg/l	<1500mg/l	Omg/l	Omg/l	Omg/l	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
2-butoxyethanol	1-3	%
Surfactant with sodium and potassium hydroxide	97-99	%
·		

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level \underline{C}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): acids and oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TOLF Voicties:	X
TCLP Semi-Volatiles:	X
Reactivity:	$\overline{\mathbf{X}}$
Corrosivity:	X
Ignitability:	$\overline{\mathbf{X}}$

Approval Number: _

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge	
attached description is complete and accurate to the best of my kn	
omissions of composition properties exist and that all known or susp	pected hazards have been disclosed. I certify that the materials
tested are representative of all materials described by this document.	
-0000	80 /// lan
Authorized Signature: RBCC Printed Name/Title: Lyra R Blackshear	Date: UU/VV
\sim 0 D1 11	
Printed Name/Title: WYOLK DIGCIOSHEW	Environmental (pordinger
	the content of
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Ω , Ω	
Compliance Officer: Robban Hangla	Additional Information:
, , , , , , , , , , , , , , , , , , ,	

Approved | Rejected

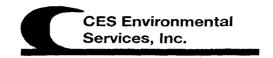
PRODUCT

<u>S</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Met	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation
	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(x)	II IIIC	If the waste contains on and grease at of the eccess of 100 mg/b, the waste should be classified in the ons subcategory.		
(2)		If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.		
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L		
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.		
		Metals Subcategory		
		Oils Subcategory		
		Organics Subcategory		

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Sample Evaluation Form

Sample ID# OCOYX	Date / 1/2107
Please Complete This Section	
Generator / Customer Name: Wilson	Sur port
Name or Type of Waste: Wildcost	Dequerred Cleaner
Process Generating Waste: Punctural for	whent Down
Number of Samples : Submitted By	13/3
Analysis To Be Completed : (an we u	se this study have
Turnaround Time:	se this stuff have
. ,	The & wase
(Lab Us	e Only)
Sample Results : ives /	1505
Suggested Method of Treatment :	
Suggested Price Range :	
Sample Results Reported to	
Tank Commission Day	Timo

need MSDS



MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification Product Name

CAS#

Wilson Jet Might Cleaner

Product Code

Chemical Name

700 Not Applicable - Mixture Mixture

Manufacturer

South Coast Products, Inc.

20 Southbelt Industrial Dr.

Houston, TX 77047 USA 1-800-255-3924 or +813-248-0585

In Case of Emergency Industrial cleaner

Section 2. Composition and Information on Hazardous Ingredients

Name 2-Butoxyethanol

CAS# 111-76-2 % by Weight 2-3

OSHA PEL 50 ppm TWA **ACGIH TLY**

25 ppm TWA

SPECIAL NOTE: MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under normal conditions of use, so long as recommended safety precautions are practiced.

Section 3. Hazards Identification			Section 4. First Aid Measures
Eve Contact		Causes moderate eye irritation, tearing, redness, and blurred vision.	Flush eyes with clean water for at least 15 minutes. If irritation persists, call a physician.
Skin Conta	<u>ct</u>	May cause drying of skin, imitation, and dermatitis.	Remove any contaminated clothing and wash skin with soap and water. If irritation occurs, call a physician.
Skin Absor	otion	Absorption through intact skin not anticipated to be route of entry.	Not applicable.
Inhalation	,	Mists may cause chest discomfort, mucous membrane irritation and coughing.	Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
Ingestion		May cause lethargy, gastrointestinal irritation, nausea, vomiting, and diarrhea.	If victim is conscious, give 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.
Sensitizatio Chronic Effe	ects	Not a sensitizer under normal conditions. May cause dermatitis. No ingredients listed as carcinogenic by	Section 5, Fire and Explosion Hazards Flash Point (method) N/A Auto-Ignition Temp. N/A
Mutagenic E	Effects	IARC or NTP. No data.	Flammable Limits in let: N/A uel: N/A
Teratogenic Reproductiv		No data. No data.	Air Combustion Products Explosion Hazards In the presence of mechanical impact or static discharge: no explosion risk.
			Special Fire Fighting None Measures
		able adsorbent. Dispose of material in	Release Measures _arge Spill
Storage	Section 7. Handling torage Store in cool dry area in original or equivalent Econtainer in accordance with all applicable regulations. Do not expose to extreme heat or flame. Store below 150°F.		g and Storage Handling Wash thoroughly after handling. Do not get in eyes. Follow good hygiene and housekeeping practices, Use in ventilated areas.
		Section 8. Exposure Controls	and Personal Protection

Engineering Controls

Use with adequate ventilation. Personal Protection

Oil impervious gloves for prolonged or repeated skin contact.

^{*} No toxic chemicals subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.

Section 9. Physical and Chemical Properties

Appearance and Odor

Blue liquid, mild odor

No data

D B H **Boiling Point** 10.5 212°F Vapor Pressure Vapor Density (Air=1) <1

Section 12. Ecological Information

Melting Point Specific Gravity (H2O=1) No data

No data < 1 (ether = 1)

Water/Oil Distribution

No data

100%

Coefficient

Section 10. Stability and Reactivity Data

Incompatibilities

N/A

Stability Conditions to Avoid

Stable. Extreme heat.

Hazardous Decomposition Products

N/A

Routes of Entry

Section 11. Toxicological Information Eye, skin, ingestion.

Eco toxicity BOD5 and COD

Odor Threshold

Evaporation Rate

Solubility in Water

No data

Toxicological Data

No data

Biodegradation Products

No data

and Toxicity

Section 13. Disposal Considerations Waste Information

Dispose of waste according to federal,

Section 14. Transport Information DOT

Not regulated.

state, and local regulations.

IMO Not regulated.

Section 15. Other Regulatory Information

Hazardous Material Information System (HMIS) (USA)

Health

0

Fire

0

Reactivity

ō В

Personal Protection

SARA Section 313: No ingredients subject to reporting requirements.

TSCA Inventory: All ingredients are listed or exempt.

California Prop. 65: No ingredients listed.

Canada DSL: All ingredients listed.

WHMIS Classification: Not controlled.

WHMIS: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information

required by the CPR. (Canada)

Section 16. Other Information

Prepared by Sharon Stratman

Date Revised

8/8/02

For More Information Call Important Notice

713-225-0048

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of this product for particular uses are beyond our control. Users should make their own investigation to determine the suitability of the information or products for their respective

purposes.

schlumbergon 2047 Proft 2047



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Angela Brown

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2047

Generator: Schlumberger Technology - IPC North

Address: 555 Industrial Blvd

Sugarland, TX 77478

Waste Information

Name of Waste: Oily water - service center

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Rinsing of wire line cable that comes in from field for servicing

Color: clear

Odor: none

pH: 4-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

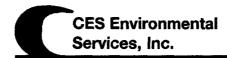
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

EPAHO105001044



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	rator Information			
Company:	Schlumberger Techno	logy IPC - North		
Address:	555 Industrial Blvd., N			
City, State, Zip:	Sugarland, TX 77478			
Contact:	Virginia Jee	· · · · · · · · · · · · · · · · · · ·	Title:	IPC QHSE Mgr
Phone No:	281 285-4267		Fax No:	281 285-7784
24/hr Phone:	Rineco Chemical		, -	
U.S. EPA I.D. No:	TXD089797799		•	
State I.D.	32572		SIC Code:	3533
SECTION 2. Billing	Information – Sam	ne as Ahove		
	Rineco Chemical	ic as Above		
- v	P.O. Box 729			
	Benton, AR 72018			
• • • •	Angela Brown	Title:	Non Fuels Cho	amist
-	800 377-4692		501 778-8505	zinist
Phone No:	800 377-4092	Fax No:	301 //8-8303	
SECTION 3: Gener	al Description of the W	aste		
	y Water - Service Center of Process Generating		ine cable that co	omes in from field for servicing
Physical State:	∠ Liquid ∠ Liquid	Sludge	Powder	
I hysical state.		Filter Cake	Combination	-
		_ riner cake _	1 Compination	1
Color: Clear	Odo	r: <u>none</u>		
Specific Gravity (wa	ter=1): <u>1</u>	Density: 8.34 lbs/gal		
Layers:	Single-phase	⊠ Multi-phase		
Container Type:	□ Drum □	☐ Tote 🖂	Truck	Other (explain)
Container Size:			5000	
Container Size.			5000	
Frequency:	☐ Weekly 🏻	Monthly 🔲	Quarterly	☐ Yearly
Number of Units (co	ntainers): 1-2	Other:		
Texas State Waste C	· / 			
Texas State Waste C	oue No. Rocyc		<u>.</u>	
Proper U.S. DOT Sh		Non DOT Regulated M		PO 27/4
Class: N/A	UN/NA:	N/A	PG: N/A	RQ: N/A
				
Flash Point	pH Re	eactive Sulfides	Reactive C	
>140		50mg/l	<50mg/l	<u><3</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
>10,000mg/l	<2000mg/l	<u><5</u> mg/l	<u><5</u> mg/l	<u><5</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	97-98	%
Used Lube Oil	2-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. \underline{None}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. E-Lab #0611456

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP	Metals:
TOT D	¥7-1-4:1

See Analysis

TCLP Volatiles:

See Analysis

TCLP Semi-Volatiles:

Authorized Signature:

No TCLP Semi-Volatiles are part of or generated during the waste generating process

Reactivity:

No Reactives are part of or generated during the waste generating process No Corrosives are part of or generated during the waste generating process

Corrosivity: Ignitability:

No corrosives are part of or generated during the waste generating process. No ignitables are part of or generated during the waste generating process.

SECTION 9: Generator's Certification

Printed Name/Title: Virginia Jee IPC OHSE Manager

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Date: 1/31/2007

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Lahlandhougua	
Date: 2-5-07 Approved Rejected	REC
Approval Number: 2047	

<u>S</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
P.	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Met	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exces values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L n: 4.9 mg/L n: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, of above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

e-Lab Analytical, Inc.

Date: December 05, 2006

CLIENT:

Schlumberger

Project:

Service Center

Work Order: 0611456

Case Narrative

Volatiles (samples Sludge 1 and Water 2-4) could not be analyzed at a lower dilution due to nature of the sample.

Volatiles (sample Sludge 1) surrogate recoveries were outside of control limits. Recoveries were confirmed by re-analysis.

Batch's 20969 and 20994 Metals MS/MSD and Duplicate were unrelated samples.

Batch 20993 Mercury (sample Sludge 2) MS/MSD recoveries were outside of control limits (84.4% and 117%). RPD's within control limits.

Batch's R44478 and R44491 Volatiles MS/MSD were unrelated samples.

e-Lab Analytical, Inc.

CLIENT:

Schlumberger

Work Order:

0611456

Project:

Service Center

Lab ID:

0611456-03

Date: December 05, 2006

Client Sample ID: Water 1

Collection Date: 11/28/2006 9:45:00 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY, TOTAL			SW7470)	Prep Date: 11/2	9/2006 Analyst: JCJ
Mercury	0.000926		0.000200	mg/L	1	11/30/2006 2:31:00 PM
ICP METALS, TOTAL			SW6020)	Prep Date: 11/2	9/2006 Analyst: SA
Antimony	0.00690		0.00500	mg/L	1	11/30/2006 1:07:00 PM
Arsenic	0.00725		0.00500	mg/L	1	11/30/2006 1:07:00 PM
Barium	16.6		0.500	mg/L	100	12/1/2006 12:45:00 PM
Beryllium	ND		0.00200	mg/L	1	11/30/2006 1:07:00 PM
Cadmium	0.00267		0.00200	mg/L	1	11/30/2006 1:07:00 PM
Chromium	0.0392		0.00500	mg/L	1	11/30/2006 1:07:00 PM
Lead	0.0937		0.00500	mg/L	1	11/30/2006 1:07:00 PM
Nickel	0.0962		0.00500	mg/L	1	11/30/2006 1:07:00 PM
Selenium	0.271		0.00500	mg/L	1	11/30/2006 1:07:00 PM
Silver	ND		0.00500	mg/L	1	11/30/2006 1:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

P - Dual Column results percent difference > 40%

E - Value above quantitation range

H - Analyzed outside of Hold Time

AR Page 3 of 4

Sean Easton

From:

Virginia Jee [jee@sugar-land.oilfield.slb.com]

Sent:

Friday, January 26, 2007 3:15 PM

To:

seaston@cesenvironmental.com

Cc:

Ron Spisak

Subject:

analyticals for water streams - EPA ID TX089797799

Attachments: Extrusion Wtr.pdf; SrvCntrWtr.pdf

Sean.

Extrusion water was only tested for oils & greases. It is water used to cool plastic wrapped wire. The plastic is applied to the wire in a melted stated and then the wire is cooled in a trough of water. This is the cooling water. It has only trace oil & grease but the POTW has decided that this water needs to be classified as a process water so it has a lower O&G limit for discharge to the sanitary sewer.

TCLP Metals not needed because water does not contact metals directly

TCLP Volatiles & Semi-Volatiles not needed because the plastic coatings are not hydrocarbon oils or

greases

Water itself is not reactive, corrosive or ignitable

<u>Service Center Water</u> - the analytical tests run were metals and Volatiles. The metals were done by ICP rather than TCLP, If you think we need to run TCLP, let me know. I am having TCLP run on the sludge but that test is not back yet. I don't think we get much of the sludge in the water stream because that is collected and put into drums.

This water is from rinsing off reels of wireline cable that come in from the field for servicing. The water is collected in a sump and run through a recycling process with makeup water. It should have higher levels of O&G and contaminants because the wire has been run in and out of real wells.

Wash water Containing Zinc - I did not have analytical analysis on that. I guess I just imagined that I saw something in the file.

Anyway some of the larger wire cables they build here get wire-wrapped (armor) for extra strength.

The solid lubricant they use in the armor process contains zinc dust. The water with zinc comes from 2

1) water from cleaning the floors

2) water from cooling the armored wire after it is "pre-stressed" and before it is put on the final reel.

TCLP Metals \only expected metal contamination is the zinc dust

TCLP Volatiles & Semi-Volatiles - the zinc flust is from a soap based lubylicant not a hydrocarbon base Water itself is not reactive, corrosive or ignitable

If you need further information, please let me know.

Regards

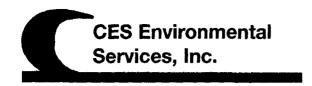
Virginia



Sample Evaluation Form

Sample ID # <u>00099</u> Date <u>1 1 26 1 265</u>	. 1
Please Complete This Section	
Generator / Customer Name: Schlumberger (Rineco	
Name or Type of Waste: Oly Water Service Center	
Process Generating Waste: from tooling machining ops	
Number of Samples: Submitted By: Submitted	
Analysis To Be Completed: Treatability	
Turnaround Time: De 1/30	
Other: Recommended Surcharges	
(Lab Use Only)	
Sample Results: PH = 5.48 Too often trad 594 PP	
Suggested Method of Treatment : 05-06	
Suggested Price Range :	
Sample Results Reported to <u>GB</u>	
Test Completed By : 66 Date : 01 / 26 / 07 Time: 3.00 P	

5



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Schlumberger

80-745

3166

To: Dana Carter

Date: 1/26/09

Cc: Matt Bowman, Gary Peterson, Prabhaker,

Zx=48.800m

Joe Camp, Clint Hopkins

2048

From: Miles Root

Lab Memo: 09-005

Subject: Rineco Evaluation 0109-49

A sample of waste water from Rineco has been evaluated for potential processing at CES. This sample is evaluation 0109-49, and is a sample of waste water generated by Schlumberger, North Campus. This water results from equipment cleaning and production. The potential volume of this stream is 3000 gallons per month. Overall, this water can be processed at CES with minimal effort and should be considered good water for treatment. Its acquisition is recommended.

The accompanying profile for this stream calls is an "oily/zinc water stream, but this sample has no oils and is not high in zinc levels. This water has a pH of 7. It treats easily and without issues. It is clean looking with solids at 0.5%. The metals on the treated sample are acceptable, the TOC is 9185 ppm, an acceptable level, and there are no phenolics. A base price for processing this water should be no less than \$0.10/gal with surcharges for TOC values greater than 5000 ppm.

A summary of the analytical testing is found in the table below.

Rineco - Schlumberger North Campus				
Evaluation 0109-49				
Solids, vol%	0.5			
рН	7			
Phenols, ppm	0			
TOC, mg/L	9,185			
Oil, vol%	0			
Treatability	OK			
Metals, ppm				
Ni	0.126			
Zn	0.293			
Cd	0.042			
Cu	0.000			
Cr	0.020			

NROSEN NOSE LLLLL RECERCON NOSE LLLLL RECERCON NOSE LLLLL NAME NAME AND LITTLE NORTH INCOMPANY LILLL MERERAN LULLULLULLUL NAMA NECON LLLLLLLLLLLLL MMM

NL PETROLEUM SERVICES, INC. P.O. BOX 1675 HOUSTON, TEXAS 77251 (713) 987-5900 MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION e un a principalita principalitat servicia del menero del Suca ambié del comunicació de 1977 777 ven que e e e

Product Name: ZEPHIRAN CHLORIDE

Generic Description: QUATERNARY AMMONIUM SALT

ووي و مناور بالمراجع و من مرسوب به ينهي و برن ومنافقات جوب و عبد نبو به حرب با درن باشت و بين برن بالمنافق و بالمنافق و بالم SECTION II - HAZARDOUS INGREDIENTS

ويرج بغينانة إلى الأولالة والمقافض وير والمواه ووالأفراخ برييه وورز نوآه سبب بدناها ووجاب الماندة ونبيب وموعلت ووقه يبوه

Name and CAS Number:

Percent by

TLV

Weight

BENZALKONIUM CHLORIDE

PROPRIETARY

NONE PUBLISHED

Ratings based on NIOSH "Identification System for Occupationally Hazardous Materials"

ì

Health = 3 Flammability = 1 Reactivity = 1

SECTION - 111 - PHYSICAL DATA

Boiling Point: ND

Melting Point: ND

Specific Gravity: (HoO=1): ND Vapor Pressure (mm Hg): NA

ومرور والمراوي والم والمراوي والمراوي والمراوي والمراوي والمراوي والمراوي والمراوي و

والمراج والمراج والمراج المراج المراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع

Vapor Density (Air=1): NA

Solubility in Water: SOLUBLE

4 Volatiles By Vol.: ND

DH: ND

Density @ 20 Degrees C:NA

Appearance and Odor: WHITE TO YELLOW POWDER, ARCHATIC ODOR

SECTION IV - FIRE AND EXPLOSION DATA

A TERMINAL IN THE STATE OF THE

Flash Point: (Method) NONE

Flammable Limits: NA

fire Extinguishing Media: USE MEDIA APPLICABLE TO SURROUNDING MATERIAL.

Special Firefighting Procedures: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS. KEEP CONTAINERS COOL WITH WATER SPRAY.

Unusual Fire and Explosion Hazards: INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE TOXIC GASES.

SECTION V - HEALTH HAZARD INFORMATION

Acute Oral LD50: ND

Acute Dermal LD50: ND

ويري ينونيغونون کار کار کار به دم به دست کار باز کار باز کارون با به ان اور جوی به طاقت است و پیمونید، بو په بومروند، بو په

Aguatic Toxicity LC50: ND

Carcinogenicity: NONE

Effects of Exposure, Acute: MATERIAL IS TOXIC

Eve Contact: MAY CAUSE SEVERE IRRITATION OR REDNESS.

skin Contact: MAY BE ABSORBED THROUGH THE SKIN. MAY CAUSE IRRITATION.

ingestion: MAY BE FATAL. MAY CAUSE DIZZINESS, NAUSEA, OR VOMITING.

Inhalation: MAY CAUSE IRRITATION TO NOSE, THROAT AND LUNGS.

Effects of Exposure, Chronic: NOT DETERMINED.

First Aid Procedures: .

Eye Contact: Flush Eyes with water for at least 15 minutes. Hold back eyelids during flushing. Get medical attention.

Skin Contact: FLUSH AREAS OF CONTACT WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

Inhalation: If OVERCOME BY DUST, REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION.

Ingestion: INDUCE VONITING. DRINK WATER AND GET MEDICAL ATTENTION.

SECTION VI - REACTIVITY DATA

Stability: MATERIAL IS STABLE

Conditions to Avoid: STRONG OXIDIZERS

Hazardous Decomposition Products: HYDROGEN CHLORIDE, OXIDES OF NITROGEN

Conditions Contributing to Hazardous Polymerization: NOT APPLICABLE.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Se Taken if Material Is Released or Spilled: SWEEF UP SPILL AND HOLD FOR DISPOSAL. CANTION, ABSORBED MATERIAL MAY RETAIN THE HAZARDOUS CHARACTERISTICS OF THE ORIGINAL MATERIAL.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions to Be Taken In Handling And Storage: STORE IN WELL VENTILATED AREA. DO NOT STORE WITH STRONG OXIDIZERS OR BASES. NEAR APPROPRIATE PROTECTIVE EQUIPMENT WHEN HANDLING. CLOSE CONTAINER WHEN NOT IN USE. DO NOT REUSE EMPTY CONTAINER.

فيست ويستونزي والموان الأوالي والموارك والمستون

SECTION VIII - CONTROL MEASURES

Ventilation Requirements: USE WITH ADEQUATE VENTILATION. IF VAPOR LEVEL RISES ABOVE TLV, USE LOCAL VENTILATION.

Respiratory Protection: USE A NIOSH APPROVED RESPIRATORY PROTECTION IF VAPOR LEVELS RISE ABOVE TLV.

Eye Protection: SAFETY GOGGLES OR SPLASH SHIELD

وبراء بمحدث بالأكال كالأكن فيحدث بالأبادات فيري

Gloves: CHEMICAL RESISTANT

Other: CHEMICAL RESISTANT APRON.

SECTION IX - TRANSPORTATION INFORMATION

Proper Shipping Name: NOT REGULATED

أنب بوزو الكاكا المواسط المزار الما

Hazard Class: NA

Hazardous Ingredients: NA

Label: NA

j

Placards: NA

Identification Number: NA

Reportable Quantity: NA

Prepared By: CARLOS I. DIAZ

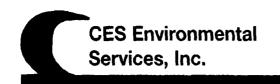
Date: 4-13-88

NA - Not Applicable

ND - Not Determined

P - Proprietary

All information, recommendations and suggestions herein concerning our products are based upon tests and data believed to be reliable, however, it is the users responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no quarantee, expressed or implied is made by NL Petroleum Services, Inc. as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does NL Petroleum Services, Inc. assume any liability arising out of the use, by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or governmental regulation.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Angela Brown

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2048

Generator: Schlumberger Technology - Sugarland

Address: 121 Industrial Blvd

Sugarland, TX 77478

Waste Information

Name of Waste: Aqueous lab waste TCEQ Waste Code #: 00311142

Container Type:

Detailed Description of Process Generating Waste: Rinse waters from cleaning laboratory equipment/supplies

Color: tan/pink

Odor: mild organic

pH: 4-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	rator Information				
Company:	Schlumberger Techno	logy			
Address:	121 Industrial Blvd.				
City, State, Zip:	Sugarland, TX 77478				
Contact:	Ron Spisak		Title:	HSE Coordi	nator
Phone No:	281 285-7822		Fax No:	281 285-471	3
24/hr Phone:	Rineco Chemical		_		
U.S. EPA I.D. No:	TXD980624605		-		
State I.D.	30280		SIC Code:	3533	
SECTION 2: Billing	Information – 🗌 Sam	ne as Above			
Company:	Rineco Chemical				
Address:	P.O. Box 729				
City, State, Zip:	Benton, AR 72018				
Contact:	Angela Brown	Title:	Non Fuels Che	emist	
Phone No:	800 377-4692	Fax No:	501 778-8505		
Name of Waste: Aq		<u>aste</u> Waste: <u>Rinse waters fro</u>	m cleaning labor	ratory equipme	ent/supplies
Dhysiaal Statas	⊠ Tiourid Γ	∃ Sludge □	Powder		
Physical State:	∐ Liquid □	Sludge _			
	Solid [Filter Cake	Combination	ı	
Color: Tan/Pink	Odo	r: mild organic			
Specific Gravity (wa	ter=1): <u>0.9 - 1.1</u>	Density: 8.5 lbs/gal			
Layers:	⊠ Single-phase	☐ Multi-phase			
Container Type: Container Size:	Drum	☐ Tote	Truck 5000	□ o -	other (explain)
Frequency: Number of Units (co Texas State Waste C	<i>'</i> —	Other:	Quarterly	□ Y	early
Froper U.S. DOT Sh	ipping Name:	Non DOT Regulated I	Materia		
Class: N/A	UN/NA:	N/A	PG: N/A	<u> </u>	RQ: N/A
					
Flash Point	pH Re	eactive Sulfides	Reactive C	vanides	Solids
>140	1 4	iOmg/l	<50mg/l		<3%
Oil&Grease	TOC	Zinc	Copper	Nicke	
<1500mg/l	<5,000mg/l	<5mg/l	<5mg/l	<5mg	

SECTION 4: Physical and Chemical Data

distribution and second and secon	(continue (the	STATE.
The waste consists of the following materials	Ranges are acceptable	or %
Water	95-100	%
Sodium Chloride/Potassium Chloride	1-3	%
Poly Sacharide Gum	0-5	%
Surfactants (Including): fatty acid, ethoylated fatty acid, amine oxide	0-1	%
ethoxylated alcohol, fatty quarternary ammonium salt, fatty betaine,		
polyethylene oxide/polypropylene oxide copolymer		

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

Ignitability:

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	No RCRA metals are part of or generated during the waste generating process
TCLP Volatiles:	No TCLP Volatiles are part of or generated during the waste generating process
TCLP Semi-Volatiles:	No TCLP Semi-Volatiles are part of or generated during the waste generating process
Reactivity:	No Reactives are part of or generated during the waste generating process
Corrosivity:	No Corrosives are part of or generated during the waste generating process

SECTION 9: Generator's Certification

The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Date: 2/2/2007

Printed Name/Title: Ronald R. Spisak / HSE Coordinator

No ignitables are part of or generated during the waste generating process

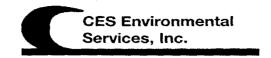
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
O_{A} . O_{A}	Process Facility Information:
Compliance Officer: Kallandhagha	
	1
Date: 2-5-07 (Approved Rejected	1
Approval Number: 2048	
Approval Number: 2040	
•.	

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? X YES □ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, of above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

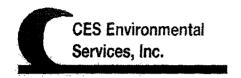
SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Sample Evaluation Form

Sample ID # 00103 Date 1 26 267
Please Complete This Section
Generator / Customer Name: Behlunbeger / Pinere
Name or Type of Waste: Aguesus Lab Waste
Process Generating Waste:
Number of Samples : Submitted By : 5 EVT3Tor
Analysis To Be Completed: Treatability #
Turnaround Time:
Other: Recommended Sucheges
(Lab Usa Only)
(Lab Use Only) Sample Results: 3+1 7-2 TOC after Treatmed 805.4 PPM
Suggested Method of Treatment :
Suggested Price Range : <u>a 10 (5 = 5 0 7</u>
Sample Results Reported to
Test Completed By: 66 Date: 01 / 27 / 07 Time: 9.17 An



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-2048
-----------------------	----------

Customer:

RINECO

Waste Generator:

Schlumberger Technology - Sugarland

Waste Stream Name:

Aqueous Lab Waste (BULK)

Expiration Date:

2/5/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification.

Please sumbit results of the following tests.

The following analysis is required for recertification.

Please send new profile as waste stream

has changed.

Customer/Name

1

TCLP Metals

TCLP Volatiles

TCLP Semi-volatiles

Reactivity

Corrosivity

Ignitability

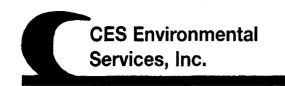
Company / Tatle

Signature

- (/

Date/

pH: 4-11.5



Waste Pre-Acceptance/Approval Letter

Date 6/7/2007

Dear Michael Jaskowiak

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2049

Generator: Schlumberger Technology - Sugarland

Address: 121 Industrial Blvd

Sugarland, TX 77478

Waste Information

Name of Waste: Water based mud from Genesis Rig

TCEQ Waste Code #: 00715141

Container Type:

Detailed Description of Process Generating Waste:

Discarded drilling mud

Color: tan/brown Odor: mild organic

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

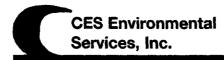
none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information					
Company:	Schlumberger Tecl	nology				
Address:	121 Industrial Blvd	I.				
City, State, Zip:	Sugarland, TX 774	178				
Contact:	Ron Spisak			Title:	HSE Coord	inator
Phone No:	281 285-7822			Fax No:	281 285-47	13
24/hr Phone:	Rineco Chemical					
U.S. EPA I.D. No:	TXD980624605					
State I.D.	30280			SIC Code:	3533	
SECTION 2: Billing	Information – S	ame as Above				
	Rineco Chemical					
	P.O. Box 729					
	Benton, AR 72018					
	Angela Brown	T	itle:	Non Fuels Ch	emist	
	800 377-4692		ax No:	501 778-8505		
_			•			
SECTION 3: Gener	al Description of the	Waste				
DECITOROS. Gener	di Descripcion di tare	7774500				
Name of Waste: Wa Detailed Description			ded drillin	g mud		
Physical State:	Liquid			Powder		
,	☐ Solid	Filter Cake		Combinatio	n	
	Solice	Ther cane	ــــا	Combinatio	- A	
Color: Tan/Brown	•	dor: mild organic				
Color: Tail/Diown		dor, mind organic				
G	41>- 1 2 - 1 4	Danaitra O lha/a	1			
Specific Gravity (wa	ter=1): <u>1.2 - 1.4</u>	Density: 9 lbs/g	gai			
Layers:	Single-phase	⊠ Multi-	phase			
•	_ • •		_			
Container Type:	☐ Drum	Tote	\boxtimes	Truck		Other (explain)
Container Size:				5000	_	
Container Size:				5000		
Frequency:	☐ Weekly	Monthly		Quarterly		Yearly
Number of Units (co		Other:		•		•
•			-111			
Texas State Waste C	ode No: 99:	3 81131 - 00715	141			
Proper U.S. DOT Sh	ipping Name:	Non DOT R	egulated N	/Iaterial		
Class: N/A	UN/N	A: N/A		PG: N/	A	RQ: N/A
Class. IVA	011/11/	17//1				1111
Flash Point	pH	Reactive Sulfides		Reactive C	vanides	Solids
>140	4/11.5	<50mg/l	•	<50mg/l) REEGO	<20%
Oil&Grease	TOC	Zinc		Copper	Nick	
>1500	NDmg/I	2/11c		Coppei Small	<5m	

SECTION 4: Physical and Chemical Data

cent modelnichmenten	Qoi (estivatio)	Ont	
The waste consists of the following materials	Ranges are acceptable	or %	
Water	50-100	%	
Barite	0-30	%	
Sodium Silicate	0-20	%	
Inert Solids	0-20	%	
Xanthum Gum	0-5	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. $\underline{\text{None}}$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

<u>None</u>

Ignitability:

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

No ignitables are part of or generated during the waste generating process

TCLP Metals:	No RCRA metals are part of or generated during the waste generating process
TCLP Volatiles:	No TCLP Volatiles are part of or generated during the waste generating process
TCLP Semi-Volatiles:	No TCLP Semi-Volatiles are part of or generated during the waste generating process
Reactivity:	No Reactives are part of or generated during the waste generating process
Corrosivity:	No Corrosives are part of or generated during the waste generating process

SECTION 9: Generator's Certification	
The information contained herein is based on \(\subseteq \text{generator knowledge and/or } \subseteq \text{ analytica} attached description is complete and accurate to the best of my knowledge and ability omissions of composition properties exist and that all known or suspected hazards have betted are representative of all materials described by this document. Authorized Signature:	to determine that no deliberate or willful
Printed Name/Title: Ronald R. Spisak / HSE Coordinator	

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Cofficer: Compliance Officer: Compliance	Process Facility Information:	
Date: 2-5-07 Approved Rejected	ISL	
Approval Number: 2049		

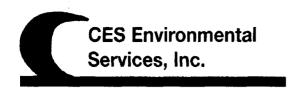
SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? XES □ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources



Sample Evaluation Form

Sample ID #	<u> </u>	Date _ [16 2007
Please Complete This Section		
Generator / Customer Name :	Ehlumber / Rince	<u>د</u>
	Mrd Mrd	
Process Generating Waste:	J	— •
Number of Samples :	Submitted By :	EASTON
Analysis To Be Completed :	Treitability / #	
Turnaround Time:	V/30	
Other: Recommend	1 Suchages	
<u></u>		
	(Lab Use Only)
Sample Results :	X. A Filter free	FLHER PRESS
Suggested Method of Treatme	ent :	
Suggested Price Range :	3-16	
Sample Results Reported to	!	
Test Completed By : 6	Date: 01 1 26 1 07	Time: 3.00 (17

2050 Schlithberger



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/7/2007

Dear Michael Jaskowiak

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2050

Generator: Schlumberger Technology - Sugarland

Address: 121 Industrial Blvd

Sugarland, TX 77478

Waste Information

Name of Waste: Rainwater from Genesis Rig Area

TCEQ Waste Code #: 00391141

Container Type:

Detailed Description of Process Generating Waste:

Rain accumulation

Color: clear

Odor: none

pH: 4-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener				£*			
Company:	Schlumberger Tech						
Address:	121 Industrial Blvd		·				٠,
City, State, Zip:	Sugarland, TX 774	178					
Contact:	Ron Spisak			_ Title:	HSE Coo		
Phone No:	281 285-7822			_ Fax No:	281 285-	4713	
24/hr Phone:	Rineco Chemical						
U.S. EPA I.D. No:	TXD980624605			_			
State I.D.	30280			SIC Code:	_3533		
SECTION 2: Billing	Information – S	ame as Above					
Company:	Rineco Chemical					•	
Address:	P.O. Box 729						
City, State, Zip:	Benton, AR 72018						
Contact:	Angela Brown		Title:	Non Fuels Ch	emist		
	800 377-4692		Fax No:	501 778-8505			
SECTION 3: Gener	al Description of the	Waste					
Name of Waste: Rai Detailed Description			n Accumula	tion			
Physical State:	∠ Liquid	☐ Sludge	Г	Powder			
I hybreat State.		_					
	☐ Solid	Filter Ca	ike L	Combination	n		
Color: Clear	O	dor: none					
Specific Gravity (wa	ter=1): <u>1</u>	Density: 8.3	4 lbs/gal				
Layers:	Single-phase	☐ Mu	lti-phase				
Container Type:	☐ Drum	☐ Tote	×	Truck	П	Other (explain)	
· -	□ Dium	Tote		-	لــا	Other (explain)	
Container Size:				<u>5000</u>			
_		⊠		1			
Frequency:	Weekly	⊠ Monthly		Quarterly	Ц	Yearly	
Number of Units (co	· · · · ·	Other		•			
Texas State Waste C	lode No: -030	91141 00	39114				
Proper U.S. DOT Sh	ipping Name:		Regulated				
) T/A		DC. N//	<u> </u>	DO. NI/A	
Class: N/A	UN/NA	A: N/A		PG: N/A	\	RQ: N/A	
Flash Point	pH	Reactive Sulfic	des	Reactive Cy	vanides	Solids	,
>140	4-10	<50mg/l	m -13	<50mg/l	,	<u><3</u> %	
Oil&Grease	TOC	Zinc		Copper	Nic	kel	
>1500mg/l	<2000mg/l	<5mg/l		<5mg/l		mg/l	

SECTION 4: Physical and Chemical Data

(6(0)\1(0)\1(0)\1(0)\1(0)\1(0)\1(0)\1(0)\1	Concontinuion	Units	
The waste consists of the following materials	Ranges are acceptable		
Water	95-100	%	
Used or Unused Lube Oil	0-1	%	
Dirt, Grass, Mud, Leaves, Paper, Fine Sand	0-5	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. SPL #05110125

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP	M	eta	s:
-------------	---	-----	----

See Analysis

TCLP Volatiles:

No TCLP Volatiles are part of or generated during the waste generating process

TCLP Semi-Volatiles:

No TCLP Semi-Volatiles are part of or generated during the waste generating process

Reactivity:

No Reactives are part of or generated during the waste generating process

Corrosivity:

No Corrosives are part of or generated during the waste generating process

Ignitability:

No ignitables are part of or generated during the waste generating process

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

W-4-- 4/04/0007

Authorizen Signature: 40 CO	Date: 1/31/2001
Printed Name/Title: Ronald R. Spisak / HSE Coordinator	
CONTROL ONLY OF MARK MARKET IN MARKS OF A CONTROL	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:
Compliance Officer: Left out Angle	Frocess Facility finormation.
	1/
Date: Z-5-07 (Approved) Rejected	16-
Approval Number: 2050	

<u>SI</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 43	<u>37</u>	
Is	this material a wastewater or wastewater sludge? XES	□ NO	
If	'Yes', complete this section.		
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	PRIATE CATEGORY, GO	O TO THE NEXT PAGE
<u>Met</u>	uls Subcategory: Subpart A		
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from election of the containing wastewater Alkaline and acid solutions used to clean metal parts or equip		operations
<u>Oils</u>	Subcategory: Subpart B		
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes		
<u>Org</u>	anics Subcategory: Subpart C		
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes	rces	
	Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources		

(1)	If the v	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Copper	um: 0.2 mg/L ium: 8.9 mg/L :: 4.9 mg/L : 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, cabove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Schlumberger

Certificate of Analysis Number:

05110125

Rep	ort To:			Project Name:	Genesis Rig Storm W	ater
	Schlumberger			Site:	Sugar Land, TX	ACT THE ROLL OF THE STREET STREET, STREET STREET, STRE
	Brad Whitaker	*		Site Address:	• •	
1	110 Schlumberger Dri	ve MD-10				
	Sugar Land	eting, reggerer	anna ar an an an an an an an an an an an an an	PO Number:	ing the state of t	ing the gray and the second of the
	TX			State:	Texas	
	77478-			State Cert. No.:		
	ph: (281) 285-4430	fax:		Date Reported:	11/22/2005	

This Report Contains A Total Of 37 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

11/22/2005

Date



Case Narrative for: Schlumberger

Certificate of Analysis Number:

05110125

Report To:			Project Name:	Genesis Rig	Storm V/ater	
Schlumberger		A second second second	Site:	Sugar Land,	. 1X -1299-128-128-1	
Brad Whitaker	•		Site Address:			
110 Schlumberger Dri	ve MD-10					
Sugar Land	en franchischer Scharfter (1984)	entra esta en suce en	PO Number:	angle Same Alam.	igan Pepakang angkasan melap	
TX			State:	Texas	The state of the state of	
77478-		• .	State Cert. No.:			
ph: (281) 285-4430	fax:		Date Reported:	11/22/2005		

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " uo/kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Due to limited sample volume, no matrix spike (MS) or matrix spike duplicate (MSD) was extracted for the N-Hexane Extractable Material analysis by EPA Method 1664. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). Spike recoveries for the LCS and LCSD were within QC limits.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Jan Marroquin

05110125 Page 1 11/22/2005

Joann Marroquin

Senior Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

Date



Schlumberger

Certificate of Analysis Number:

05110125

Report To:

Schlumberger

Brad Whitaker

110 Schlumberger Drive MD-10

Sugar Land

TX

77478-

ph: (281) 285-4430

fax: (281) 285-4212

Project Name:

Genesis Rig Storm Water

Site:

Sugar Land, TX

Site Address:

PO Number:

State:

Texas

State Cert. No.:

Fax To:

Date Reported:

11/22/2005

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
SW#1	05110125-01	Water	11/1/2005 10:00:00 AM	11/2/2005 4:02:00 PM	181464	
SW#1	05110125-02	Water	11/1/2005 10:04:00 AM	11/2/2005 4:02:00 PM	181464	
SW#1	05110125-03	Water	11/1/2005 10:04:00 AM	11/2/2005 4:02:00 PM	181464	
SW#2	05110125-04	Water	11/1/2005 10:10:00 AM	11/2/2005 4:02:00 PM	181464	
SW#2	05110125-05	Water	11/1/2005 10:11:00 AM	11/2/2005 4:02:00 PM	181464	
SW#2	05110125-06	Water	11/1/2005 10:13:00 AM	11/2/2005 4:02:00 PM	181464	
SW#3	05110125-07	Water	11/1/2005 10:16:00 AM	11/2/2005 4:02:00 PM	181464	
SW#3	05110125-08	Water	11/1/2005 10:17:00 AM	11/2/2005 4:02:00 PM	181464	
SW#3	05110125-09	Water	11/1/2005 10:19:00 AM	11/2/2005 4:02:00 PM	181464	
SW#4	05110125-10	Water	11/1/2005 10:20:00 AM	11/2/2005 4:02:00 PM	181464	
SW#4	05110125-11	Water	11/1/2005 10:21:00 AM	11/2/2005 4:02:00 PM	221427	
SW#4	05110125-12	Water	11/1/2005 10:23:00 AM	11/2/2005 4:02:00 PM	221427	
SW#5	05110125-13	Water	11/1/2005 10:30:00 AM	11/2/2005 4:02:00 PM	221427	
SW#5	05110125-14	Water	11/1/2005 10:31:00 AM	11/2/2005 4:02:00 PM	221427	
SW#5	05110125-15	Water	11/1/2005 10:34:00 AM	11/2/2005 4:02:00 PM	221427	
SW#6	05110125-16	Water	11/1/2005 10:38:00 AM	11/2/2005 4:02:00 PM	221427	
SW#6	05110125-17	Water	11/1/2005 10:39:00 AM	11/2/2005 4:02:00 PM	221427	
SW#6	05110125-18	Water	11/1/2005 10:42:00 AM	11/2/2005 4:02:00 PM	221427	
SW#7	05110125-19	Water	11/1/2005 10:46:00 AM	11/2/2005 4:02:00 PM	221427	
SW#7	05110125-20	Water	11/1/2005 10:47:00 AM	11/2/2005 4:02:00 PM	221427	
SW#7	05110125-21	Water	11/1/2005 10:50:00 AM	11/2/2005 4:02:00 PM	097530	
5W#8	05110125-22	Water	11/1/2005 10:54:00 AM	11/2/2005 4:02:00 PM	097530	
SW#8	05110125-23	Water	11/1/2005 10:55:00 AM	11/2/2005 4:02:00 PM	097530	
SW#8	05110125-24	Water	11/1/2005 10:58:00 AM	11/2/2005 4:02:00 PM	097530	

Jan Marrogun

11/22/2005

Date

Joann Marroquin

Senior Project Manager

Joel Grice Laboratory Director

Ted Yen

Quality Assurance Officer

05110125 Page 2 11/22/2005 4:33:09 PM



Client Sample ID SW#1

Collected: 11/01/2005 10:00

SPL Sample ID:

05110125-01

Site:	Sugar	Land, TX

Analys@s/Method	Result	QUAL	Rep.Limit	Dil. Facto	Date Analyze	ed Analyst	Seq. #
MERCURY, TOTAL				MCL	E245.1	Units: mg/L	
Mercury	ND		0.0002	1	11/07/05 12:	55 AT_H	3011680

Prep Method	Prep Date	Prep Initials	Prep Factor	
E245.1	11/07/2005 10:15	AT_H	1.00	

METALS BY METHOD 200.7,	TOTAL	MCL		E200.7	Units: mg/L	
Arsenic	ND	0.005	- 1 -22	11/07/05 22	:02 EG	3012752
Lead	0.0445	0.005	1	11/07/05 22	:02 EG	3012752
Selenium	ND	0.005	1	11/07/05 22	:02 EG	3012752
Aluminum	0.893	0.1	1	11/04/05 15	:03 MW	3011136
Barium	2.95	0.005	1	11/04/05 15	:03 MW	3011136
Cadmium	ND	0.005	. 1	11/04/05 15	:03 MW	3011136
Chromium	0.0186	0.01	1	11/04/05 15	:03 MW	3011136
Copper	0.0904	0.01	1	11/04/05 15	:03 MW	3011136
Iron	2.34	0.02	1	11/04/05 15	:03 MW	3011136
Manganese	0.054	0.005	1	11/04/05 15:	:03 MW	3011136
Nickel	ND	0.02	- 1	11/04/05 15:	03 MW	3011136
Silver	ND	0.01	1	11/04/05 15:	03 MW	3011136
Zinc	0.269	0.02	1	11/04/05 15:	03 MW	3011136

Prep Method	Prep Date	Prep Initials	Prep Factor
E200.7/200.8	11/03/2005 16:00	ACW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#1

Collected: 11/01/2005 10:04

SPL Sample ID:

05110125-02

Site: Sugar Land, TX

	Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Ana	ilyzed Analyst	Seq.#
	N-HEXANE EXTRACTABLE MATERI	AL			MICI	-	1664A	Units: mg/L	
V	n-Hexane Extractable Material	ND	1	5		1	11/08/05	13:30 RLR	3013462

Prep Method	Prep Date	Prep Initials	Prep Factor
	11/08/2005 10:20		1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

05110125 Page 4 11/22/2005 4:33:24 PM



Client Sample ID SW#1

Collected: 11/01/2005 10:04 SPL Sample ID: 05110125-03

Site: Sugar Land, TX

			Oile. Out	yai Laliu, IX	*		
Analyses/Method	Result	QUAL	Rep.Limit	Dil. Fact	or Date Analyzed	Analyst	Seq.#
SETTLEABLE SOLIDS				MCL	E160.5 U	nits: ml/L/h	r
Settleable Solids	8.0		0.100		11/02/05 17:20	A_E	3006430
TOTAL SUSPENDED SOLIDS	land of State Co.		e de de la companya de la companya de la companya de la companya de la companya de la companya de la companya	MCL	E160.2 U	nits: mg/L	1,21,21,21,21,21
Suspended Solids (Residue, Non- Filterable)	118		4	1	11/02/05 20:00	A_E	3006447

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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			•		(/13) 660	-0901	
Client Sample ID SV	N#2	Coll	ected: 11	1/01/2005 10:10	SPL Sam	ple ID: 051	10125-04
		Site	: Suga	ar Land, TX			
Analyses/Method	Result	QUAL Rej	p.Limit	Dil. Factor	Date Analy	zed Analyst	Seq.#
MERCURY, TOTAL				MCL	E245.1	Units: mg/L	
Mercury	ND		0.0002	1	11/07/05 13	3:02 AT_H	3011683
Prep Method E245.1		Prep Initials Prep I	actor		municht berg	Milatok (ant. 2011).	Show Sall Co.
METALS BY METHO	D 200.7, TOTAL			MCL	E200.7	Units: mg/L	
Arsenic	ND		0.005	1	11/07/05 22	:09 EG	301275
Lead	0.0346		0.005	1	11/07/05 22	:09 EG	301275
Selenium	ND		0.005	1	11/07/05 22	:09 EG	301275
Aluminum	0.703		0.1	1	11/04/05 15	:07 MW	3011137
Barium	3.71		0.005	1	11/04/05 15	:07 MW	3011137
Cadmium	ND		0.005	1	11/04/05 15	:07 MW	3011137
Chromium	0.0191		0.01	1	11/04/05 15	:07 MW	3011137
Copper	0.0746		0.01	1	11/04/05 15	07 MW	3011137
Iron .	3.24		0.02	1	11/04/05 15	:07 MW	3011137
Manganese	0.0856		0.005	1	11/04/05 15:	07 MW	3011137
Nickel	ND		0.02	1	11/04/05 15:	07 MW	3011137
Silver	ND		0.01	1	11/04/05 15:	07 MW	3011137
Zinc	0.307		0.02	1	11/04/05 15:	07 MW	3011137

Prep Method	Prep Date	Prep Initials	Prep Factor	ĺ
E200.7/200.8	11/03/2005 16:00	ACW	1.00	

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#2 Collected: 11/01/2005 10:11 SPL Sample ID: 05110125-05

Site: Sugar Land, TX

	4 - 1	-/: - : •			
Analyses/Method Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed Ar	alyst Seq. #
N-HEXANE EXTRACTABLE MATERIAL			MCL	1664A Units:	mg/L
n-Hexane Extractable Material ND		5	1	11/08/05 13:30 RLF	3013463

Prep Method	Prep Date	Prep Initials	Prep Factor	ľ
	11/08/2005 10:20		1.00	

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#2 Collected: 11/01/2005 10:13 SPL Sample ID: 05110125-06

Site: Sugar Land, TX

	·		oite. ouga	Lailu, IX			
Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyze	d Analyst	Seq.#
SETTLEABLE SOLIDS				MCL	E160.5	Jnits: ml/Li	er e
Settleable Solids	0.2		0.100	1	11/02/05 17:2	0 A_E	3006431
TOTAL SUSPENDED SOLIDS	garana ya maharini nga sa sa ya sa	And the second s	and the second s	MCL	E160.2 L	Jnits: mg/L	s vasitonas
Suspended Solids (Residue,Non- Filterable)	26.8		4	1	11/02/05 20:0	0 A_E	3006448

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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 Client Sample ID	SW#3		Collected: 11/0

SPL Sample ID: 1/2005 10:16

05110125-07

 		Site: Sugar	Land, TX		
Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst

Seq.# Analyses/Method MCL E245.1 MERCURY, TOTAL Units: mg/L ND 0.0002 11/07/05 13:04 AT_H 3011684 Mercury

Prep Method	Prep Date	Prep Initials	Prep Factor
E245.1	11/07/2005 10:15	AT_H	1.00

IETALS BY METI	10D 200.7, TOTAL			MCL	E200.7	Units: mg/L	
Arsenic		ND	0.005	a iliyan yez ili ili kuriliya ili ili ba	11/07/05 22	2:15 EG	3012754
Lead		ND	0.005	1	11/07/05 22	:15 EG	3012754
Selenium		ND	0.005	1	11/07/05 22	::15 EG	3012754
Aluminum	. 0).171	0.1	1	11/04/05 15	:11 MW	3011138
Barium	0	.391	0.005	1	11/04/05 15	:11 MW	3011138
Cadmium		ND	0.005	. 1	11/04/05 15	:11 MW	3011138
Chromium		ND	0.01	1	11/04/05 15	:11 MW	3011138
Copper	0.0	0307	0.01	1	11/04/05 15	:11 MW	3011138
iron	0	.324	0.02	1	11/04/05 15	:11 MW	3011138
Manganese	0.0	0153	0.005	1	11/04/05 15	:11 MW	3011138
Nickel		ND	0.02	1	11/04/05 15	:11 MW	3011138
Silver		ND	0.01	1 .	11/04/05 15	:11 MW	3011138
Zinc	0.0	853	0.02	. 1	11/04/05 15	11 MW	3011138

Prep Method	Prep Date	Prep Initials	Prep Factor	ĺ
E200.7/200.8	11/03/2005 16:00	ACW	1.00	

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#3	Collected:	11/01/2005 10:1	7 SPL Sample ID:	05110125-08

			Site: Su	gar Land, IX			
•	 Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Se

Analyses/metheld	resun	QUAL	кер.ш	IIIK	——————————————————————————————————————	ractor	Date Atlaly	zeu Arialyst	3eq. #
N-HEXANE EXTRACTABLE MATER	RIAL				MCL		1664A	Units: mg/L	
 n-Hexane Extractable Material	ND			5		1	11/08/05 1	3:30 RLR	3013464

Prep Method	Prep Date	Prep Initials	Prep Factor
 The state of the s	11/08/2005 10:20		1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

05110125 Page 10 11/22/2005 4:33:25 PM



Client Sample ID SW#3		7 .	Collecte	d: 11/01	/2005	10:19	SPL Sam	ple ID:	0511	0125-09
			Site:	Sugar L	and, T	X				
Analyses/Method	Result	QUAL	Rep.Lin	nit	Dii.	Factor	Date Anal	zed /	Analyst	Seq.#
SETTLEABLE SOLIDS				M	ICL		E160.5	Units	s: ml/L/h	r
Set/leable Solids	ND		0.10	00		1	11/02/05 1	7:20 A	E	3006432
TOTAL SUSPENDED SOLIDS		erri (en proper de la constante de la constant	at the second section of the section of the section	М	ICL	North Williams	E160.2	Units	: mg/L	Talling rest a pro-
Suspended Solids (Residue, Non-Filterable)	11.6			4		1	11/02/05 2	0:00 A	E	3006450

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#4 Collected: 11/01/2005 10:20 SPL Sample ID: 05110125-10

Site: Sugar Land, TX

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Ana	alyzed Analyst	Seq. #
MERCURY, TOTAL				MCL		E245.1	Units: mg/L	
Mercury	ND.		0.0002		1	11/07/05	13:06 AT_H	3011685

Prep Method	Prep Date	Prep Initials	Prep Factor
E245.1	11/07/2005 10:15	AT_H	1.00

METALS BY METHOD 20	0.7, TOTAL	governos como especiales que N	ICL	E200.7	Units: mg/L	•
Arsenic	ND	0.005	1	11/07/05 22:	22 EG	3012755
Lead	ND	0.005	1	11/07/05 22:	22 EG	3012755
Selenium	ND	0.005	1	11/07/05 22:	22 EG	3012755
Aluminum	0.231	0.1	1	11/04/05 15:	16 MW	3011139
Barium	0.599	0.005	1	11/04/05 15:	16 MW	3011139
Cadmium	ND	0.005	1	11/04/05 15:	16 MW	3011139
Chromium	ND	0.01	1 .	11/04/05 15:	16 MW	3011139
Copper	0.029	0.01	. 1	11/04/05 15:	16 MW	3011139
Iron	0.449	0.02	1	11/04/05 15:	16 MW	3011139
Manganese	0.0157	0.005	1	11/04/05 15:	16 MW	3011139
Nickel	ND	0.02	. 1	11/04/05 15:	16 MW	3011139
Silver	ND	0.01	1	11/04/05 15:	16 MW	3011139
Zinc	0.0918	0.02	1	11/04/05 15:	16 MW	3011139

Prep Method	Prep Date	Prep Initials	Prep Factor
E200.7/200.8	11/03/2005 16:00	ACW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#4

Collected: 11/01/2005 10:21

SPL Sample ID:

05110125-11

			Site: Suga	r Land, TX			
Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq.#
N-HEXANE EXTRACTABLE MAT	ERIAL			MCL	1664A Un	its: mg/L	
n-Hexane Extractable Material	ND		5	1	11/08/05 13:30	RLR	3013465

Prep Method	Prep Date	Prep Initials	Prep Factor
	11/08/2005 10:20		1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#4 Collected: 11/01/2005 10:23 SPL Sample ID: 05110125-12

Site: Sugar Land, TX

			Oite. Oug	ar Laria, 170		<u> </u>	
Analyses/Method	Result	QU/L	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq.#
SETTLEABLE SOLIDS				MCL	E160.5 U	nits: ml/L/h	<u> </u>
Settleable Solids	0.1		0.100	1	11/02/05 17:20	A_E	3006433
TOTAL SUSPENDED SOLIDS	The state of the s	The second of th	t on the self-residence of the self-residence	MCL	E160.2 U	nits: mg/L	analizanja
Suspended Solids (Residue, Non- Filterable)	13.2		4	1	11/02/05 20:00	A_E	3006451

Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#5 Collected: 11/01/2005 10:30 SPL Sample ID: 05110125-13

Site: Sugar Land, TX

Analyses/Method	Result QUAL	Rep.Limit	Dil. Factor	Date Analyzed Analyst	Seg.#
MERCURY, TOTAL		1	MCL	E245.1 Units: mg/L	v .
Mercury	ND	0.0002	1	11/07/05 13:09 AT_H	3011686

Prep Method	Prep Date		Prep Initials	Prep Factor
E245.1	11/07/2005	10:15	AT H	1.00

METALS BY METHOD 2	200.7, TOTAL		MCL	E200.7 L	Jnits: mg/L	
Arsenic	ND	0.005		11/07/05 22:4	1 EG	3012758
Lead	0.0242	0.005	1	11/07/05 22:4	1 EG	3012758
Selenium	ND	0.005	1	11/07/05 22:4	1 EG	3012758
Aluminum	1.08	0.1	. 1	11/04/05 15:20	D MW	3011140
Barium	3.45	0.005	1	11/04/05 15:20	WM C	3011140
Cadmium	ND	0.005	1	11/04/05 15:20	MW C	3011140
Chromium	0.0419	0.01	: 1	11/04/05 15:20) MW	3011140
Copper	0.0401	0.01	1	11/04/05 15:20	MW.	3011140
Iron	1.83	0.02	1	11/04/05 15:20) MW	3011140
Manganese	0.0675	0.005	1	11/04/05 15:20) MW	3011140
Nickel	ND	0.02	1	11/04/05 15:20	MW	3011140
Silver	ND	0.01	1	11/04/05 15:20	MW .	3011140
Zinc	0.165	0.02	1	11/04/05 15:20	MW	3011140

Prep Method	Prep Date	Prep Initials	Prep Factor
E200.7/200.8	11/03/2005 16:00	ACW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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n-Hexane Extractable Material

HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

11/08/05 13:30 RLR

3013466

Client Sample ID	SW#5				Collected: 11	/01/2005 10:31	SPL Sample	ID: 05110	125-14
		•			Site: Suga	r Land, TX			
Analyses/Method		ř	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Anal/st	Seq.#
N-HEXANE EXTRA	ACTABI	E MATER	IAL			MCL	1664A U	nits: m∈ı/L	

5

Prep Method	Prep Date	Prep Initials	Prep Factor
	11/08/2005 10:20		1.00

ND

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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	•				
Client Sample ID SW#5		Collected: 1	1/01/2005 10:34	SPL Sample I	D: 05110125-15
		Site: Sug	ar Land, TX		
Analyses/Method	Result QUAL	Rep.Limit	Dil. Factor	Date Analyzಿd	Analyst Seq. #
SETTLEABLE SOLIDS			MCL	E160.5 Un	its: ml/L/hr
Settleable Solids	ND	0.100	1	11/02/05 17:20	A_E 3006434
TOTAL SUSPENDED SOLIDS			MCL	E160.2 Un	its: mg/L
Suspended Solids (Residue, Non- Filterable)	19.2	4	1	11/02/05 20:00	A_E 3006452

Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#6 Collected: 11/01/2005 10:38 SPL Sample ID: 05110125-16

Site: Sugar Land, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Facto	r Date Analyzed	Analyst	Seq.#
MERCURY, TOTAL				MCL	E245.1 Un	its: mg/L	
Mercury	ND	and the second second	0.0002	1	11/07/05 13:12	AT_H	3011687

Prep Method	Prep Date	Prep Initials	Prep Factor
E245.1	11/07/2005 10:15	AT_H	1.00

METALS BY METHOD	200.7, TOTAL	valati kara karang paggarang salah MC	Leonardon	E200.7 U	nits: mg/L	
Arsenic	0.00928	0.005	. 1 .	11/07/05 22:48	B EG	3012759
Lead	0.123	0.005	. 1	11/07/05 22:48	B EG	3012759
Selenium	ND	0.005	1	11/07/05 22:48	EG	3012759
Aluminum	8.71	0.1	1	11/04/05 15:24	MW	3011141
Barium	66.6	0.01	2	11/10/05 9:28	MW	3017206
Cadmium	ND	0.005	1	11/04/05 15:24	MW	3011141
Chromium	0.315	0.01	1	11/04/05 15:24	MW	3011141
Copper	0.114	0.01	1	11/04/05 15:24	MW	3011141
Iron	12.3	0.02	1	11/04/05 15:24	MW	3011141
Manganese	0.487	0.005	1	11/04/05 15:24	MW	3011141
Nickel	0.0245	0.02	. 1	11/04/05 15:24	MW	3011141
Silver	ND	0.01	1	11/04/05 15:24	MW	3011141
Zinc	0.281	0.02	1	11/04/05 15:24	MW	3011141

Prep Method	Prep Date	Prep Initials	Prep Factor
E200.7/200.8	11/03/2005 16:00	ACW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

05110125 Page 18 11/22/2005 4:33:27 PM



Client Sample ID SW#6

Collected: 11/01/2005 10:39

SPL Sample ID: 0

05110125-17

Site:

Sugar Land, TX

			Oito. Ougi	ii Luiiu, ii		<u> </u>	
	Agalyses/Method	Result QU	AL Rep.Limit	Dil. Facto	or Date Analyze	d Analyst	Seq.#
	N-HEXANE EXTRACTABLE MA	TERIAL		MCL	1664A l	Jnits: mg/L	
. :	n-Hexane Extractable Material	ND	5	1	11/08/05 13:3	0 RLR	3013467

Prep Method	Prep Date	Prep Initials	Prep Factor	Ĩ
The second second control of the second seco	11/08/2005 10:20		1.00	i

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#6 Collected: 11/01/2005 10:42 SPL Sample ID: 05110125-18

Site: Sugar Land, TX

			Oite. Suga	ii Lailu,	1/5		<u> </u>	
Analyses/Method	Result	QUAL	Rep.Limit	C	il. Factor	Date Anal	yzed Analyst	Seq.#
SETTLEABLE SOLIDS			<u> </u>	MCL		E160.5	Units: ml/L/	hr
Settleable Solids	0.2		0.100		1	11/02/05 1	7:20 A_E	3006435
TOTAL SUSPENDED SOLIDS		- 2747 (A) Albada (A		MCL	مراواتها المتعادة	E160.2	Units: mg/L	Garage was surefule:
Suspended Solids (Residue, Non- Filterable)	180)	8		2	11/02/05 2	0:00 A_E	3006453

Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

Mi - Matrix Interference

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Client Sample ID SW#7 Collected: 11/01/2005 10:46

1/01/2005 10:46 SPL Sample ID:

05110125-19

Site: Sugar Land, TX

Analyses/Method	Result	QUAL	⊵ep.Limit	Di	II. Factor	Date An	alyzed Analyst	Seq.#
MERCURY, TOTAL			:	MCL		E245.1	Units: mg/L	
Mercury	ND		0.0002		1	11/07/05	13:19 AT_H	3011690

Prep Method	Prep Date	Prep Initials	Prep Factor
E245.1	11/07/2005 10:15	AT H	1.00

METALS BY METHOL	200.7, TOTAL		MCL	E200.7	Units: mg/L	
Arsenic	ND	0.005	Nickeland of the	11/07/05 22:	54 EG	3012760
Lead	0.0248	0.005	1	11/07/05 22:	54 EG	3012760
Selenium	ND	0.005	. 1	11/07/05 22:	54 EG	3012760
Aluminum	1.1	0.1	1	11/04/05 15:	28 MW	3011142
Barium	4.36	0.005	1	11/04/05 15:	28 MW	3011142
Cadmium	ND	0.005	1	11/04/05 15:	28 MW	3011142
Chromium	0.045	0.01	1	11/04/05 15:	28 MW	3011142
Copper	0.0418	0.01	1	11/04/05 15:	28 MW	3011142
Iron	2.02	0.02	1	11/04/05 15:	28 MW	3011142
Manganese	0.0721	0.005	1	11/04/05 15:	28 MW	3011142
Nickel	ND	0.02	1	11/04/05 15:	28 MW	3011142
Silver	ND	0.01	1	11/04/05 15:	28 MW	3011142
Zinc	0.169	0.02	1	11/04/05 15:2	28 MW	3011142

Prep Method	Prep Date	Prep Initials	Prep Factor
E200.7/200.8	11/03/2005 16:00	ACW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID SW#7 Collected: 11/01/2005 10:47 SPL Sample ID: 05110125-20

Site: Sugar Land, TX

Analyses/Method	Result C	UAL	Rep.Limit	Dil. Factor	Date Analyzed An	alyst Seq.#
N-HEXANE EXTRACTABLE MATE	RIAL	. =		MCL	1664A Units:	mg/L
n-Hexane Extractable Material	ND		5	1	11/08/05 13:30 RLF	3013468

Prep Method	Prep Date	Prep Initials Prep Factor	
Contract to the second of the	11/08/2005 10:20	1.00	ĺ

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Collected: 11/01/2005 10:54 Client Sample ID SW#8 SPL Sample ID: 05110125-22 Site: Sugar Land, TX Analyses/Method Result QUAL Dil. Factor Date Analyzed Analyst. Seq. # Rep.Limit MERCURY, TOTAL MCL E245.1 Units: mg/L ND Mercury 0.0002 1 11/07/05 13:21 AT_H 3011691 Prep Method Prep Date Prep Initials Prep Factor E245.1 11/07/2005 10:15 AT H 1.00 **METALS BY METHOD 200.7, TOTAL** E200.7 Units: mg/L MCL Arsenic ND 0.005 1 11/07/05 23:01 EG 3012761 Lead 0.0419 1 11/07/05 23:01 EG 3012761 0.005 Selenium ND 0.005 11/07/05 23:01 EG 3012761 Aluminum 3011143 1.21 0.1 1 11/04/05 15:32 MW Barium 5,46 0.005 11/04/05 15:32 MW 3011143 1 ND 11/04/05 15:32 MW 3011143 Cadmium 0.005 1 0.01 Chromium 0.0598 1 11/04/05 15:32 3011143 Copper 0.0532 1 11/04/05 15:32 MW 3011143 0.01 2.27 11/04/05 15:32 MW 3011143 iron 0.02 1 0.0939 Manganese 0.005 1 11/04/05 15:32 MW 3011143 Nickel ND 11/04/05 15:32 3011143 0.02 1 MW Silver ND 0.01 1 11/04/05 15:32 MW 3011143 Zinc 0.265 11/04/05 15:32 MW 3011143 0.02 1

Prep Method	Prep Date	Prep Initials	Prep Factor
E200.7/200.8	11/03/2005 16:00	ACW	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Client Sample ID S	SW#8			Collected: 11/01/2005 1	0:55	SPL Samp	ole ID: 05	110125-23
				Site: Sugar Land, T)	Κ			
Analyses/Method	4	Result	QUAL	Rep.Limit Dil.	Factor	Date Analy	zed Analys	t Seq.#
N-HEXANE EXTRA	CTABLE N	MATERIAL		MCL		1664A	Units: mg	/L
n-Hexane Extractable		12		5	1	11/08/05 13	:30 RLR	3013469

Prep Method	Prep Date	Prep Initials	Prep Factor
-	11/08/2005 10:20		1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

05110125 Page 25 11/22/2005 4:33:28 PM



Client Sample ID SW#8	ient Sample ID SW#8			: 11/01/20	05 10:58	SPL Samp	le ID: 0511	0125-24
		·.	Site: S	ugar Land	i, TX			
Analyses/Method	Result	QUAL	Rep.Limit	t	Dil. Factor	Date Analyz	ed Analyst	Seq. #
SETTLEABLE SOLIDS				MCL	,	E160.5	Units: ml/L/l	nr
Settleable Solids	0.3		0.100)	1	11/02/05 17:	20 A_E	3006437
TOTAL SUSPENDED SOLIDS				MCL	The state of the s	E160.2	Units: mg/L	The William Salaria
Suspended Solids (Residue, Non- Filterable)	51.2		4		1	11/02/05 20:	00 A_E	3006455

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

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Quality Control Documentation

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Schlumberger

Genesis Rig Storm Water

Analysis:

N-Hexane Extractable Material

Method:

RuniD:

1664A

WorkOrder:

05110125

Lab Batch ID:

R154690

	*	 1	Method Blank

n-Hexane Extractable Material

11/08/2005 13:30

11/08/2005 10:20

Analysis Date: Preparation Date: EX 051108B-3013458

Units: Analyst:

Prep By:

mg/L

ND

Method

Rep Limit

Lab Sample ID 05110125-02A 05110125-05A

Samples in Analytical Batch:

Client Sample ID SW#1 SW#2

Analyte Result

05110125-08A 05110125-11A 05110125-14A SW#3 SW#4 SW#5

05110125-17A 05110125-20A 05110125-23A SW#6 SW#7 SW#8

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

5.0

RunID:

Analysis Date:

EX_051108B-3013459 11/08/2005 13:30

Units:

mg/L RLR Analyst:

Preparation Date: 11/08/2005 10:20

Prep By: Method

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
n-Hexane Extractable Material	40.0	33.5	83.8	40.0	34.3	85.8	2.4	18	78	114

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported. 05110125 Page 28 11/22/2005 4:33:31 PM



Schlumberger Genesis Rig Storm Water

Analysis:

Metals by Method 200.7, Total

Method:

E200.7

Nickel

Silver

Zinc

WorkOrder:

05110125

Lab Batch ID:

52450

					4 * *	200 201011 121 02100
	Metho	d Blank			Samples in Analyti	cal Batch:
RunID:	TJA_051104A-3011125	Units:	mg/L		Lab Sample ID	Client Sample ID
Analysis Date	e: 11/04/2005 14:18	Analyst	MW	ter samaan Artis ah mada bada bara	05110125-01A	SW#1
Preparation D	Date: 11/03/2005 16:00	Prep By	: AC I	Method E200.7/200.8	05110125-04A	SW#2
					05110125-07A	SW#3
i sara ng				5	05110125-10A	SW#4
	Analyte			Rep Limit	05110125-13A	SW#5
Г	Aluminum Barium		ND ND		05110125-16A	SW#6
7	Cadmium		ND		05110125-19A	SW#7
. [9	Chromium		ND	0.01	05110125-22A	SW#8
. [Copper		ND		00110120-227	377.83
1	Iron		ND.	0.02		
· <u>)</u>	Manganese		ND	0.005		

0.02

0.01

0.02

Laboratory Control Sample (LCS)

RuniD:

TJA_051104A-3011126

Units:

mg/L

Analysis Date: Preparation Date:

11/04/2005 14:22 11/03/2005 16:00

ND

ND

MW Analyst:

Prep By: AC Method E200.7/200.8

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Aluminum	1.000	1.058	105.8	85	115
Barium	1.000	1.008	100.8	85	115
Cadmium	1.000	1.020	102.0	85	115
Chromium	1.000	1.025	102.5	85	115
Copper	1.000	1.027	102.7	85	115
Iron	1.000	1.046	104.6	85	115
Manganese	1.000	1.032	103.2	85	115
Nickel	1.000	1.031	103.1	85	115
Silver	1.000	1.030	103.0	85	115
Zinc	1.000	1.034	103.4	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

05110143-01

RuniD: Analysis Date: TJA_051104A-3011128

Units:

mg/L

11/04/2005 14:30

Analyst: MW

Preparation Date: 11/03/2005 16:00 Prep By: AC Method E200.7/200.8

Qualifiers:

ND/U - Not Detected at the Reporting Limit

Mi - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported. 05110125 Page 29 11/22/2005 4:33:32 PM



Schlumberger Genesis Rig Storm Water

Analysis:

Metals by Method 200.7, Total

Method: E200.7

WorkOrder:

05110125

Lab Batch ID:

52450

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit		High Limit	24.2
Aluminum	ND	1	1.109	104.7	1	1.100	103.8	0.8737	20	70	130	
Barium	0.04009	1	1.018	97.75	1	1.028	98.82	1.052	20	70	130	ĺ
Cadmium to perfect and the same one second and the	ND.	1	1.046	104.6	1	1.040	104.0	0.6395	20	70	130	
Chromium	ND	1	1.007	100.7	1	1.001	100.1	0.5489	20	70	130	j
Copper	ND	1	1.006	100.6	1	1.020	102.0	1.403	20	70	130	
Iron.	0.04027	1	1.049	100.9	1	1.073	103.3	2.237	20	70	130	
Manganese	0.01797	1	1.029	101.1	1	1.023	100.5	0.5323	20	70	130	
Nickel	ND	1	1.003	100.3	1	1.001	100.1	0.1786	20	70	130	:
Silver	ND	1	1.033	103.3	1	1.031	103.1	0.1589	20	: 70	130	
Zinc	ND	. 1	1.040	104.0	1	1.035	103.5	0.4800	20	70	130	

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Schlumberger Genesis Rig Storm Water

Analysis:

Metals by Method 200.7, Total

Method:

E200.7

WorkOrder:

05110125

Lab Batch ID:

52450-T

		Metho	d Blank			Samples in Analytical	Batch:
RunID:	ar al	TJAT_051107A-3012742	Units:	mg/L		Lab Sample ID	Client Sample ID
Analysis Date	e:	11/07/2005 20:58	Analyst:	EG	The state of the s	05110125-01A	SW#1
Preparation D	Date:	11/03/2005 16:00	Prep By:	AC I	Method E200.7/200.8	05110125-04A	SW#2
						05110125-07A	SW#3
				2		05110125-10A	SW#4
		Analyte			Rep Limit	05110125-13A	SW#5
	Arseni	<u> </u>		ND		05110125-16A	SW#6
<u>-</u>	<u>Lead</u> Seleniı	ım .		ND ND		05110125-19A	SW#7
						05110125-22A	SW#8

Laboratory Control Sample (LCS)

RuniD:

TJAT_051107A-3012743

Units: mg/L

Analysis Date:

Preparation Date:

11/07/2005 21:04 11/03/2005 16:00

EG Analyst:

Prep By: AC

Method E200.7/200.8

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	0.1000	0.09927	99.27	85	115
Lead	0.1000	0.1032	103.2	85	115
Selenium	0.1000	0.1052	105.2	85	115

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked:

05110143-01

RunID:

TJAT_051107A-3012748

Units:

mg/L

Analysis Date:

11/07/2005 21:36

Analyst: EG

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit		High Limit	
	grande de la companya de la companya de la companya de la companya de la companya de la companya de la companya		a and a									
Selenium	ND	0.1	0.1197	119.7 *	0.1	0.118	118.0 *	1.472	20	85	115	_

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

05110143-01

RuniD:

TJAT_051107A-3012745

Units:

mg/L

Analysis Date:

11/07/2005 21:17

Analyst: EG

Preparation Date: 11/03/2005 16:00 Prep By: AC

Method E200.7/200.8

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported. 05110125 Page 31

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Schlumberger Genesis Rig Storm Water

Analysis:

Metals by Method 200.7, Total

Method:

E200.7

WorkOrder:

05110125

Lab Batch ID:

52450-T

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit		High Limit	
Arsenic	ND	0.1	0.1173	. 117.3	0.1	0.1146	114.6	2.294	20	70	130	1
Lead	ND	0.1	0.1162	116.2	0.1	0.1155	. 115.5	0.6475	20	70	130	1
Selenium	ND	0.1	0.07595	75.95	0.1	0.05911	59.11 *	24.94 *	20	70	130	1

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Schlumberger Genesis Rig Storm Water

Analysis:

Mercury, Total

Method:

E245.1

WorkOrder:

05110125

Lab Batch ID:

52542

	Мe	eth	<u>od</u>	В	laı	nl
		7	_	_	_	-

RunID: Analysis Date: Preparation Date:

Mercury

HGLC 051107A-3011678 11/07/2005 12:49

11/07/2005 10:15

Analyte

Units:

mg/L Analyst:

AT H

Result

ND

Prep By: AT__Method E245.1

Rep Limit

0.0002

Lab Sample ID 05110125-01A 05110125-04A

Client Sample ID SW#1 SW#2

05110125-07A

SW#3

05110125-10A

05110125-13A

Samples in Analytical Batch:

SW#4 SW#5

05110125-16A 05110125-19A SW#6 SW#7

05110125-22A

SW#8

Laboratory Control Sample (LCS)

RunID:

HGLC 051107A-3011679 11/07/2005 12:52

Units:

mo/L Analyst: AT_H

Preparation Date:

Analysis Date:

11/07/2005 10:15

Prep By: AT_ Method E245.1

	Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
ercury		0.002000	0.001905	95 27	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

05110125-01

RunID:

HGLC_051107A-3011681

Units:

mg/L

Analysis Date:

11/07/2005 12:57

Analyst: AT_H

Preparation Date: 11/07/2005 10:15

Prep By: AT_ Method E245.1

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD		Low Limit	High Limit
Mercury	ND	0.002	0.001760	87.98	0.002	0.001774	88.70	0.8186	20	70	

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported. 05110125 Page 33 11/22/2005 4:33:32 PM



Schlumberger Genesis Rig Storm Water

Analysis:

Settlea le Solids

Method:

Settleaille So

WorkCader:

05110125

Lab Barch ID:

R154287

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05110125-03A	SW#1
05110125-06A	SW#2
05110125-09A	SW#3
05110125-12A	SW#4
05110125-15A	SW#5
05110125-18A	SW#6 "
05110125-21A	SW#7
05110125-24A	SW#8

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Schlumberger Genesis Rig Storm Water

Analysis:

Total Suspended Solids

Method:

£160.2

WorkOrder:

05110125

Lab Batch ID:

R154291

			ytical Batch:
od Blank			

RunID:

Analysis Date:

WET_051102Y-3006442

11/02/2005 20:00

Units:

Analyst:

mg/L A E

Lab Sample ID 05110125-03A

Client Sample ID SW#1

SW#2

05110125-06A 05110125-09A 05110125-12A

SW#3 SW#4

Analyte Result Rep Limit Suspended Solids (Residue, Non-Filterable

05110125-15A 05110125-18A 05110125-21A SW#5 SW#6 SW#7

05110125-24A

SW#8

Laboratory Control Sample (LCS)

RuniD:

WET_051102Y-3006444

Units:

mg/L

Analysis Date:

11/02/2005 20:00

Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit	
Suspended Solids (Residue, Non-Filtera	100.0	95.60	95.60	91	112	L

Sample Duplicate

Original Sample:

RunID:

WET_051102Y-3006445

Units:

mg/L

Analysis Date:

11/02/2005 20:00

05110107-01

Analyst: A_E

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Suspended Solids (Residue, Non-Filtera	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported. 05110125 Page 35 11/22/2005 4:33:32 PM

Sample Receipt Checklist And Chain of Custody

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Sample Receipt Checklist

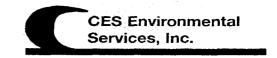
Workorder: 05110125 Date and Time Received: 11/2/2005 4:02:00 PM Temperature: 3.0°C	er en en en en en en en en en en en en en	Received By: Carrier name: Chilled by:	NB SPL Water Ice	State Hallace Commence
1 Shipping container/cooler in good condition?	Yes 🗹	No 🗆	Not Present	
2. Custody seals intact on shippping container/cooler?	Yes ☑	No 🗆	Not Present	
3. Custody seals intact on sample bottles?	Yes 🗆	No 🗆	Not Present	$ \mathbf{Z} $
4. Chain of custody present?	Yes 🗹	No 🗆		
5. Chain of custody signed when relinquished and received?	Yes 🗹	No 🗆		
6. Chain of custody agrees with sample labels?	Yes 🗹	No 🗆		
7. Samples in proper container/bottle?	Yes 🗹	No 🗆	•	
8. Sample containers intact?	Yes 🗹	No 🗆		
g. Sufficient sample volume for indicated test?	Yes 🗹	No 🗆		
All samples received within holding time?	Yes 🗹	No 🗆		
1. Container/Temp Blank temperature in compliance?	Yes 🗹	No 🗌		
2. Water - VOA vials have zero headspace?	Yes 🗆	No 🗌 VOA Via	is Not Present	
3. Water - Preservation checked upon receipt (except VOA*)?	Yes 🗹	№ □	Not Applicable	
*VOA Preservation Checked After Sample Analysis				
SPL Representative: Client Name Contacted:	Contact Date &	Time:		
Non Conformance Issues:				
Client Instructions:				

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	7			SP	L, I	nc.				<u> </u>	PL Wood	order N	las	ميرسيد م		18	146	4
	An	alysis Re					ustody	Reco	rd	#\J	01	11.	510	45		page_	L of	7
Client Name: Sch lumberger						bottle		pres.		ए उ		Rec	quest	ed A	nalys	is		
Address/Phone: 110 Schlumber	er Dr. S	you and	(70			glass	vial		*	2.4				l				
Client Contact: Brad Whitak	er 281	1-285-7	1603		S=soil O=other:	, ğ	40=vial	2=HNO3 O=other:	lers (252	y	1	- {	1				
Project Name: GUNESIS Ric	a storm	Water		_	=soil =oth	A=amber V=vial	4=402 4(6=1602	Ŧ p	Number of Containers	12. E		V						
Project Number:	, 			_		₹ >	4=4		ပ္မို	5	13	<u>,25</u>	}					
Project Location: Sugar Law	id To			_	=water =sludge	stic ss	bi o	=HCl =H2SO4	0	3/2/	20	ζ,				l		
Invoice To:						P=plastic G=glass	=1 lit	=HCI =H2S	qui	S. Del	1	12						
SAMPLE ID	DATE	TIME	comb 8	grab	× Z	اجّان	- 00	- 6	Ž	73	2				<u> </u>	<u> </u>	<u> </u>	
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5W #1	\\\ 	10:04	1_1	W	X	19	32	1	2		X					<u> </u>	1	
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·5w#2	<i>\\</i>	10:10		1		P	16	2	1	×			<u> </u>	<u> </u>		<u> </u>		
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SW# Z	1 11	10:13				P	32	None)			\succ						
Sw # 3	u	10:16				P	16	2		×								
5W#3	, u	10:17				G	32	- 1	Z		X							
SW #3	(1)	10:19				P	32	Mone	i			×						
SW #4	"	10:20			1	P	16	2	1	X								
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		tandard QC	<u> </u>	Leve	13 QC	0		QC 🗌				cited by					<u>PM)</u>	CO
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Client Name Schlumberge	(CKNOK	Brock	<u>'</u>	O=oil	SS	ial r		r	T	T	-51	1. S	9				
Address: Phone/Fax:				ı	A=amber glass =vial X=other	1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other		ည			उ	2 3	2				
Client Contact:	Email:			ther in	□ pe □	, X	he 503	ine	y		38	E 2					
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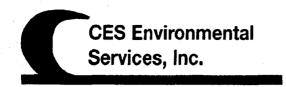
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Client Name: Schlumherge				_		bottle	size	pres.				Re	ques	ted A	naly:	is		
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Client Contact:					_ <u>ë</u>	ار الح الح	40	er S	ners						ł			
Project Name: GCNESIS City Project Number:	Storm	water			S=soil O=other:	A=amber V=vial	160	2=HNO3 O=other:	ntai		138							
					ن ا	1	4=402 40=vial 16=1602		ပ္မိ	V	5	25 B					[1: 1
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Other 🔲	5. Relinquis	hed by	- 11				date	lor	176	200				FUN	Ner			<u> </u>
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459-Hughes Drive, T												٠,	٠					



Sample Evaluation Form

Sample ID # 20101 Date 1 126
Please Complete This Section
Generator / Customer Name: Schlumbeger / Pincie
Name or Type of Waste:
Process Generating Waste: Lannater from drilling vig containment
Number of Samples: (Submitted By: 5. CM372~
Analysis To Be Completed: Treatabily
Turnaround Time: DUE 1/30
Other: REZEMBERD SURCHARD
(Lab Use Only)
Sample Results : PH 9:0
Suggested Method of Treatment:
Suggested Price Range : <u>05-0</u>
Sample Results Reported to
Test Completed By: 66 Date: 01 / 26 / 07 Time: 4.50 (

Gulf Stream Marine 2051 Prof # 2051



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/7/2007

Dear Larry

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2051

Generator: Gulf Stream Marine (Clinton Dr.)

Address: 1606 Clinton Dr.

Galena Park, TX 77547

Waste Information

Name of Waste: Recyclable hydrocarbon and water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Diesel and water from containment

Color: dark

Odor: hydrocarbon

pH: 8-12.4

Physical State:

Incompatibilities: oxidizers

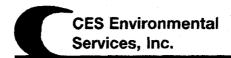
Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Gener	ator Information				
Company:	Guif Stream Marine	·		<u> </u>	
Address:	1616 Clinton Drive				
City, State, Zip:	Galena Park, TX 7	7547			
Contact:	Larry Gutierrez		Title:	Manager	
Phone No:	713-816-3052		Fax No:	713-453-3898	
24/hr Phone:	713-816-3058				
U.S. EPA I.D. No:	NA				
State I.D.	NA		SIC Code:	N.A	
SECTION 2: Billing	Information − ☐ S	ame as Above			
	Gulf Stream Marine				
	10000 Manchester Av	enue Suite C			
City, State, Zip:	Houston, TX 77012				
* * *	Larry Gutierrez	Title:			
	713-816-3052	Fax No	713-453-389	8	
-		······································			
SECTION 3: Gener	al Description of the	Waste			
SECTION STATE	ar boson poton o. o				
Name of Waste: Rec	cyclable Hydrocarbon	and Water mixture			
Detailed Description	of Process Generation	ng Waste: Diesel and w	ater from containn	nent	
	5				
Physical State:	∠ Liquid	☐ Sludge	☐ Powder		
	☐ Solid	Filter Cake	Combination	on	
Color: dark	o	dor: hydrocarbon			
Specific Gravity (wat	ter=1): <u>0.8-1.2</u>	Density: 8 lbs/gal			
•					
Layers:	Single-phase	Multi-phase			
	-	-			
Container Type:	Drum	☐ Tote	□ Truck	Other (explain)	
Container Size:		_		_	
Container Size.			<u>0000 gai</u>		
	•				
Frequency:	☐ Weekly	☐ Monthly	◯ Quarterly	☐ Yearly	
Number of Units (cor	ntainers): 15	Other:			4
Texas State Waste Co		yclable			i
			carbon and Water	Mivura	
Proper U.S. DOT Shi					
Class: NA	UN/NA	: MA	PG: NA	A RQ: NA	
			· 		
Flash Point	"U	Reactive Sulfides	Reactive C	Cyanides Solids	
None	1 4	NAmg/I	NAmg/I	1-2%	
Oil&Grease	TOC	Zinc	Copper	Nickel	
>1000mg/l	>1500 >1500mg/l	NAmg/I	NAmg/I	NAmg/I	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	85-90	%
Diesel	5-10	%
Solids	1-2	%
		T .

SECTI	ON 5:	Safety	' Rela	ted l	Data

If the handling of this was	te requires the use of sp	ecial protective equip	ment, please explain.
Standard PPE	_		

SECTION 6:	Attached	Supporting	Documents

List all documents, notes, data, and/or analysis attache none Chlip - D - Tech	d to this form as pa	rt of the	waste approv	al package.
SECTION 7: Incompatibilities				

none Oxid 3000 SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:TCLP Metals are below regulatory limitsTCLP Volatiles:TCLP Volatiles are below regulatory limitsTCLP Semi-Volatiles:TCLP Semi-Volatiles are below regulatory limitsReactivity:No reactive materials are introduced into the process

Corrosivity: pH is Neutral

Please list all incompatibilities (if any):

Ignitability: No ignitable materials are in the process

SECTION 9: Generator's Certification

The information contained herein is based on \(\subseteq \text{generator knowle attached description is complete and accurate to the best of my omissions of composition properties exist and that all known or stested are representative of all materials described by this documen \(\text{Authorized Signature:} \) Printed Name/Title: Larry Gutierrez	knowledge and ability to determine that no deliberate or willful uspected hazards have been disclosed. I certify that the materials
Frinted Name/Title: Larry Gutterrez	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robal May A	Additional Information:
Date: Approved Rejected	
Approval Number: 2051	

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? \(\subseteq\) YES ⋈ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Sul category: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

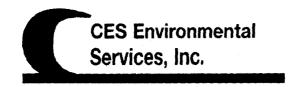
(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L t: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
	П	Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Forged Vessel Connections 2062

EPAHO105001124



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/9/2007

Dear Cary Piecznski

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2052

Generator: Forged Vessel Connections, Inc.

Address: 2525 De Soto Ave.

Houston, TX 77091

Waste Information

Name of Waste: Used oil filters TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:Used oil filters from gas and diesel powered equipment

Color: various

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

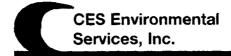
Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Gener					
Company:	Forged Vessel Connections				
Address:	2525 Desoto Ave.				
City, State, Zip:	Houston, TX 77091				
Contact:	Cary Piecznski		Title:	EHS Mgr.	
Phone No:	713-337-2328 or 71	13-688-9705	Fax No:	713-688-7954	
24/hr Phone:	CES-713-676-1460				
U.S. EPA I.D. No:	TXD070881560			1 1	
State I.D.	90266		SIC Code:	NA	
SECTION 2: Billing	g Information – 🔀 Sa	me as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax No:			
SECTION 3: Gener	al Description of the V	Waste			
Name of Waste: <u>Use</u> Detailed Description		g Waste: <u>Used Oil Filter</u>	s from gas and d	iesel powerd equipment	
Physical State:	Liquid	Sludge	Powder		
11, 51041 ~ 14101	⊠ Solid	Filter Cake	Combinatio		
	⊠ Solid	Finter Cake	Combinatio	'II	
Color: <u>various</u>	Od	or: oil like			
					
Specific Gravity (wa	ter=1): <u>1.2</u>	Density: 9 lbs/gal			
Layers:	Single-phase	Multi-phase			
Container Type:	□ Drum	☐ Tote □	Truck	Other (explain)	
Container Size:	55 gal				
ontainer Size:	<u>55 gai</u>				
_		—	71 0 4 1	□ V t.	
requency:	Weekly	·	◯ Quarterly	☐ Yearly	
,	ntainers): 2-3 drums	Other: _	·····		
exas State Waste C	ode No: NA-l	Recyclable Material		*.	
roper U.S. DOT Sh	ipping Name:	Non-RCRA; Non-D	OT Regulated M	aterial	
Class: NA	UN/NA:	NA	PG: NA	RQ: NA	
					
Flash Point	pH F	Reactive Sulfides	Reactive C	yanides Solids	
NA	1 1	mg/l	0mg/l	100%	
Oil&Grease	TOC	Zinc	Copper	Nickel	
>1500mg/l	>1500mg/I	Omg/I	Omg/l	Omg/l	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Used or Spent Oil Filters	98-100	%
Residue Oil	0-2	%

S	E	C	Γ	C)	٧	5	:	S	a	f	etv	y F	₹e	ŀ	al	te	d	D	a	ta

If the handling of this waste requires the use of special protective equipment, please explain. Level D

NO Signature Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	$\underline{\mathbf{X}}$
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	$\underline{\mathbf{X}}$
Reactivity:	$\underline{\mathbf{X}}$
Corrosivity:	<u>X</u>
Ignitability:	X

Authorized Signature:

SECTION 9: Generator's Certification

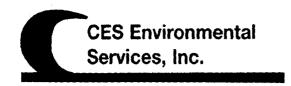
The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willfuromissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

	Printed Name/Title: No Signature Required	
	CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
	Compliance Officer: Policy Daiga Additional Information:	
:	Date: 2-9-07 Approved Rejected	
i	Approval Number: 2052	

(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Copper	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
	П	Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/9/2007

Dear Keith Hove

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2053

Generator: OEM

Address: 6401 West Sam Houston Pkwy North

Houston, TX 77041

Waste Information

Name of Waste: Gasoline mixture TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Old gasoline removed from equipment

Color: brown

Odor: gasoline

pH: neutral

Physical State:

Incompatibilities: oxidizers

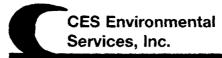
Safety Related Data/Special Handling:

Level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

(713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com 2053

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:	OEM			
Address:	6401 W. Sam Housto	n Parkway North		
City, State, Zip:	Houston, TX 77041			
Contact:	Keith Hoye		Title:	EH & S Manager
Phone No:	713-983-4700		Fax No:	832-782-6638
24/hr Phone:	CES-713-676-1460			
U.S. EPA I.D. No: To				
State I.D.	CESQG		SIC Code:	NA
State LD.			Sic Code.	[V7]
SECTION 2. Dilling	Information – 🔀 Sar	a. Ab		
Company:	Intormation - M Sai	ne as Above		
Address:				
City, State, Zip:				
Contact:		Title:		
Phone No:		Fax No:		
SECTION 3: Genera	al Description of the V	<u>Vaste</u>		
Name of Waste: gaso				
Detailed Description	of Process Generating	Waste: Old gasoline rem	oved from equip	<u>oment</u>
	_	· · · · · · · · · · · · · · · · · · ·		
Physical State:	∠ Liquid ✓ Liquid Liquid	Sludge [Powder	
	☐ Solid	Filter Cake	Combination	
			Combination	
Color: brown	Od	om occalina		
Color: blown	Odd	or: gasoline		
Specific Gravity (wat	ter=1): <u>.90</u>	Density: 8 lbs/gal		
Layers:	Single-phase	Multi-phase		
		•		
Container Type:	Drum [Tote	Truck	Other (explain)
Container Size:			HUCK	Contract (explain)
Container Size:	<u>55 gal</u>			and the same of th
Frequency:	☐ Weekly [Monthly	Quarterly	∑ Yearly
- · ·	- ""		Quarterly	
Number of Units (con	, -	Other:		
Texas State Waste Co	ode No: NA-R	Recyclable Material		
Proper U.S. DOT Shi	inning Name:	Flammable liquids, n.o	s. 3. UN1993.	PG-II
•	•			
Class: 3	UN/NA:	UN 1993	PG: II	RQ: NA
			·	
Flash Point		eactive Sulfides	Reactive Cya	
<140	<u>neutral</u> 0	mg/l	0mg/l	<u><3</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
<u>>1500</u> mg/l	>1500mg/l		Qmg/l	<u>0</u> mg/l

SECTION 4: Physical and Chemical Data

	COMPONENTS TABLE	Concentration	Units	
The	waste consists of the following materials	Ranges are acceptable	or %	
gasoline		60-80%	26	
Water		10-20	20	
Oil		2-10	26	
	` :			
			1	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES Sample Evaulation Report

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>		
TCLP Volatiles:	<u>X</u>		
TCLP Semi-Volatiles:	X		
Reactivity:	<u>X</u>		
Corrosivity:	X		
Ignitability:	X		
SECTION 9: Generate	r's Certification		
The information contains	ad bassin is boosed on	Duna anaton luacuda	das and/or Danabutica

The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

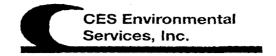
Authorized Signature:	Mulls	Date: 2/0)	
Printed Name/Title:	Keith Hore HS	E Coord.	
CRES USE ONLY (BO NOT WRITE Compliance Officer: 2014) Date: 2-9-07 Approval Number: 2053	enthant on	Additional Information: \$450000	

SE	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
lf	'Yes', complete this section.
PI	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	uls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	anics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.					
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.					
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L					
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.					
		Metals Subcategory					
		Oils Subcategory					
		Organics Subcategory					

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Sample Evaluation Form

Sample ID #	Date <u> </u>
Please Complete This Section	
Generator / Customer Name : OEM	
Name or Type of Waste: USad ail wil base	otive addad,
Process Generating Waste: USed motor cit	ul baxine Alded
Number of Samples : / Submitted By :	6-B
Analysis To Be Completed :	Recycling Netwoministic
Turnaround Time: only Have 10.	10000
Other:	
(Lab Use C	Only)
Sample Results : BYEND W/ LIGHT	END MATERIAL
Suggested Method of Treatment ;	r
Suggested Price Range :	
Sample Results Reported to	
Test Completed By: A Date: 521 08 1 0	7 Time: 2: 20 PM

Baken Petrolite 30 Prof# 2056

EPAHO105001136



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/12/2007

Dear Jack Schneider

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2056

Generator: Baker Petrolite (Deer Park)

Address: 101 Center St

Deer Park, TX 77536

Waste Information

Name of Waste: Polyfree 395 antifoulant

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Product - polyfree 395 antifoulant

Color: amber

Odor: hydrocarbon

pH: 7.8-8.8

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISV/R No: 30900

SECTION 1: Generator Information Company: **Baker Petrolite** Address: 101 Center Street Deer Park, Tx 78408 City, State, Zip: Title: Jim Waterfallen Business Developer for Central Gulf Contact: Region 281-476-1601 Fax No: 281-476-5178 Phone No: 713-819-8470 24/hr Phone: U.S. EPA I.D. No: NA SIC Code: State I.D. NA SECTION 2: Billing Information – ⊠ Same as Above **Baker Petrolite** Company: 101 Center Street Address: Deer Park, Tx 78408 City, State, Zip: Jim Waterfallen Title: Business Developer for Central Gulf Region Contact: 713-819-8470 or 281-476-1601 281-476-5178 Fax No: Phone No: SECTION 3: General Description of the Waste product-polyfree a certificial aut Name of Waste: polyfree 395 antifoulant Detailed Description of Process Generating Waste: Flammable. Powder **Physical State:** □ Liquid Sludge ☐ Solid Filter Cake Combination Odor: Hydrocarbon Color: Amber Density: 7.06 lbs/gal Specific Gravity (water=1): <u>\$848</u> ■ Multi-phase Single-phase Layers: Container Type: Drum 冈 Tote Truck Other (explain) Container Size: 330allns. Monthly Quarterly Yearly Weekly Frequency: Other: Number of Units (containers): 1 **Texas State Waste Code No:** PRODUCT Combustible liquid, n.o.s. (Contains Medium aliphatic naptha),,NA 1993, III Proper U.S. DOT Shipping Name: 1993 PG: RO: NA UN/NA: Class: Flash Point pН **Reactive Sulfides Reactive Cyanides** Solids 0% 145f 7.8-8.8 0mg/l 0 mg/lNickel Oil&Grease Zinc Copper TOC

0mg/l

0mg/l

0mg/l

Omg/I

0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %	
Butylated hydroxytoluene		10-30	
Aryldiamine		10-30	
Medium Aliphatic naptha		30-60	
			

The waste consists of the following materials	Kanges are acceptable	01 /0
Butylated hydroxytoluene		10-30
Aryldiamine		10-30
Medium Aliphatic naptha		30-60
		
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special protective equip	oment, please explain.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this form as	nart of the waste approval packa	ισe.
MSDS	pure of the waste approval packa	50.
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):		
SECTION 8: Generator's Knowledge Documentation		
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, listed below generator knowledge:	v, WAS NOT PERFORMED base	ed upon the following
7017 L		
FCLP Metals: [* [*] [*] [*] [*] [*] [*] [*] [*] [*]		
FCLP Semi-Volatiles:		
Reactivity: μ A		
Corrosivity: NA		
gnitability:		
SECTION 9: Generator's Certification		
The information contained herein is based on \square generator knowledge and attached description is complete and accurate to the best of my knowledge missions of composition properties exist and that all known or suspected	dge and ability to determine that i	no deliberate or wil
ested are representative of all materials described by this document.		
Authorized Signature:	Data: 2/7/07	
Authorized Signature:	Date: <u>2/7/07</u>	
Printed Name/Title: Jim Waterfallen/ Business Developer for Central Gul	If Region	
CES USE CNLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer: Rolferfull and Additi	onal Information: Bland	_/
Audition of the state of the st		+
Date: 2-12-07 (Approved Rejected	0,1	
2056		
managed Management of 1/3 6		

Compliance Officer: Kolfafulland	Additional Information: Bland a
Date: 2-12-07 (Approved) Rejected	0,1
Approval Number: 2056	

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

YES



NEXT PAGE.

If	'Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE
<u>Meta</u>	ds Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Organ</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exces values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
	\Box	Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



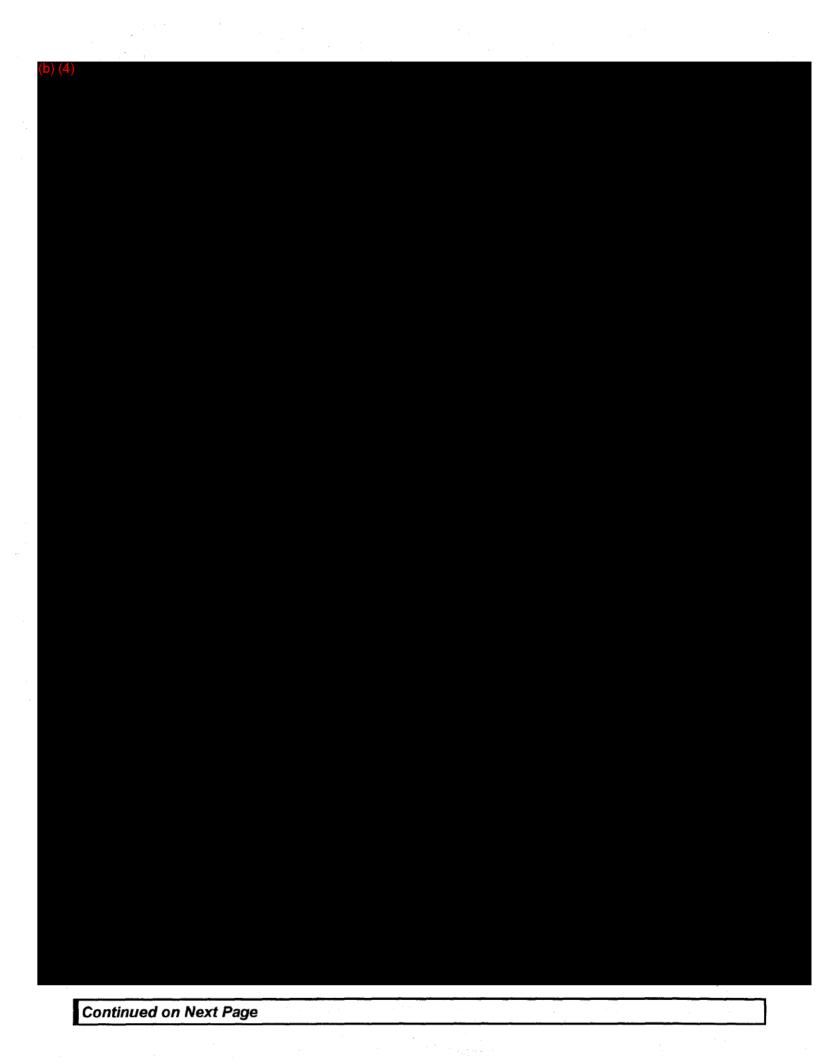
Continued on Next Page

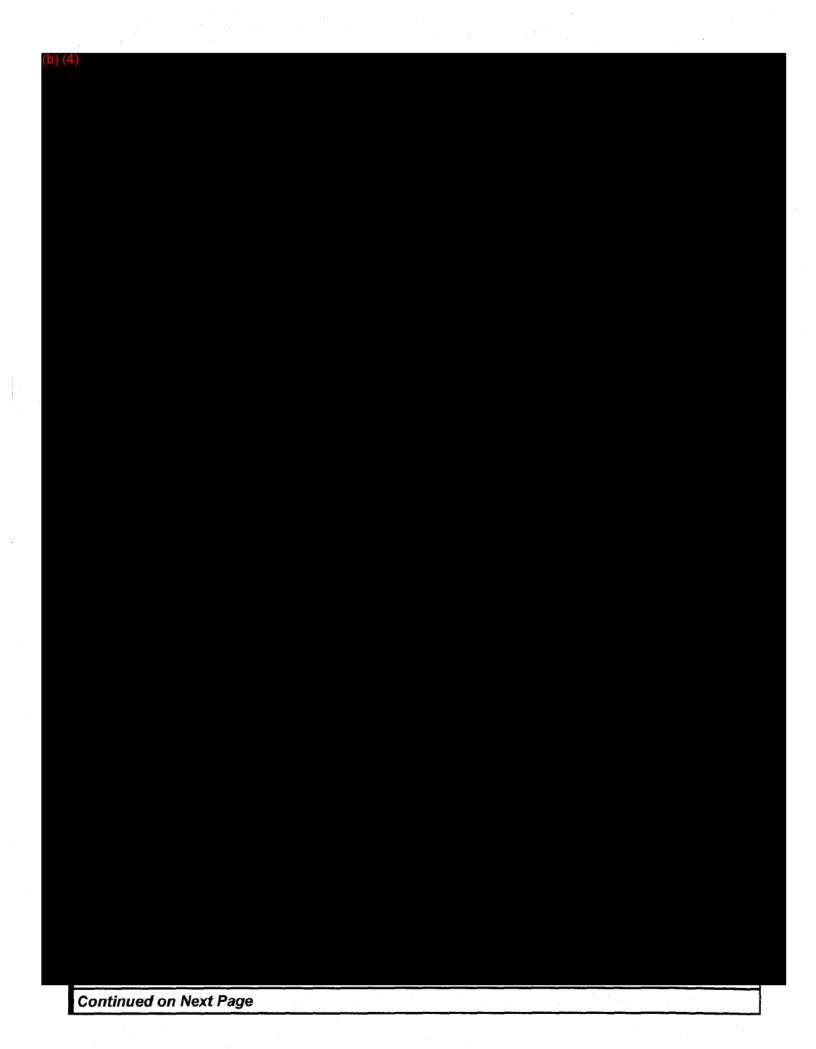
Material Safety Data Sheet

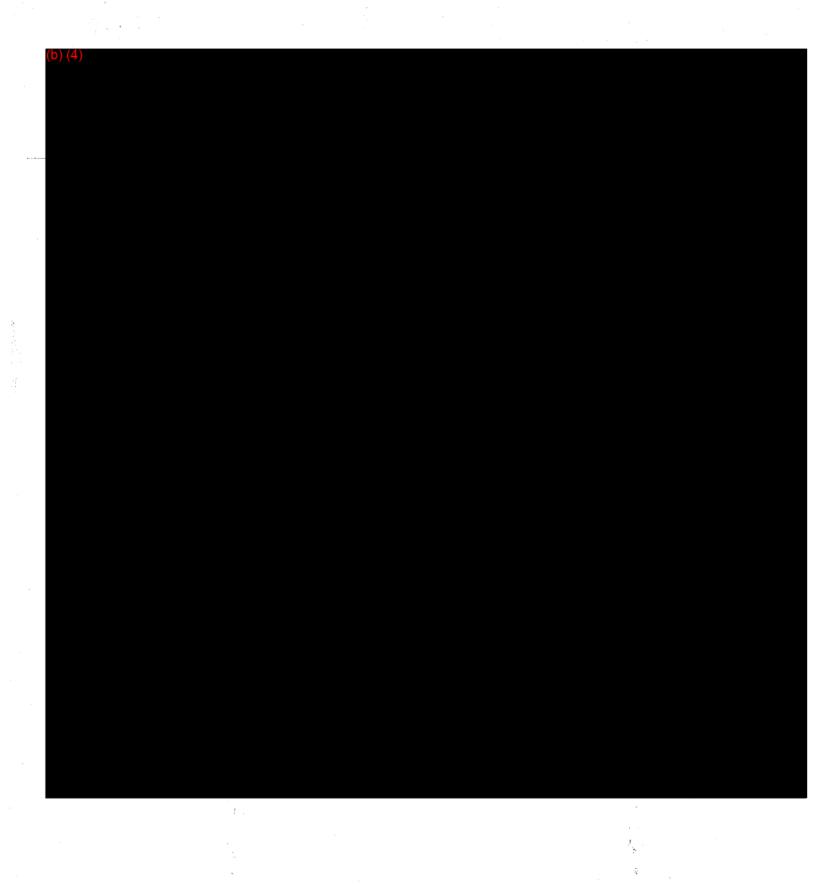


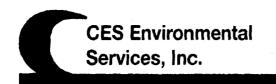












4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: <12

Waste Pre-Acceptance/Approval Letter

Date 2/14/2007

Dear Brandon Dougles

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2057

Generator: BW Services

Address: 1100 Wayne Drive

Angleton, TX 77515

Waste Information

Name of Waste: Unused adponitrile TCEO Waste Code #: 00062191

Container Type:

Detailed Description of Process Generating Waste:

Unused adiponitrile cleaned from a railcar

Chasea adipointine cicanca from a fariour

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Level C PPE

Color: varies

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Odor: slight

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



2G

4904 Grigga Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

			* * * * * * * * * * * * * * * * * * * *		
SECTION 1: Gene	ratur Information				
Company:	BW Services				
Address:	1100 Wayne Dri	ve			
City, State, Zlp:	Angelton, TX ,7'				
Contact:	Brandon		Title:	Plant Mar	DOMPE
Phone No:	979-848-8800	···	Fax No:	979-848-9	
Mar Phone:	979-848-8800		ENY 140:	7/7-0-0-1	7774
U.S. EPA I.D. No:	TXD086467800				
State L.D.	30207				
otate 1'D'	30207		SIC Code:		
SECTION 4. BINS.	g Information ~ 🏻	6 A.B.			
	g intormation ~ 🗸	Same as Above	•		
Сотрапу:					
Address:					
Ilty, State, Zip:					
Contact:		Title:	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
tione No:		Fax No);		
			•		
ECTION 3: Gene	ral Description of t	he Waste			
Name of Waste: Un	used Adinonitrile				
		ting Waste: <u>Unused Adi</u>	nonlittle cleaned fr	om a railear.	
	- 0- 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	One of the order	ponitive viculies is	0131 W 1541	
hysical State:	🔀 Liquidi	Sludge	Powder		
minimar grate.	-				
	Solid Solid	Fliter Cake	Combination Combination	o n	
olor: <u>Varies</u>		Odor: Slight			
pecific Gravity (w	iter=1): <u>.965</u>	Density: 8-8 3 lbs/g/	าใ		
ayers:	Single-pliase	: Multi-phas	¢		
	• •	•			
ontainer Type:	□ Drum	☐ Tate	Truck	П	Other (explain)
ontainer Size:			_		
ouramer Size:	<u> </u>				
requency:	Weekly	Monthly	Quarterly		Yeariy
umber of Units (co	refeiredely 1-10	Other:	_ (,	_	•
			-		
ezas State Waste (Code No:	0062191			
roper U.S. DOT SI	tipping Name:	Adiponitrile			
-	•		P.C. T	1	*O ^
Cleas: 6.1	UNA	NA: UN2205	PG: II	1	RQ: NA
					
Leak Day	1	Y			T.C. 11.
lash Point	pH	Reactive Sulfides	Reactive	Cyanides	Solids
200	<12	Omg/I	Qmg/I		0-3%
il&Grease	TOC	Zine	Copper		ckel
<u>la</u> mg/l	Name/I	Namg/I	Name/I) Na	amg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	ог %	
Adiponitrile	100	%	
			
		+	

SECTION 5: Sufety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level C PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSD\$

SECTION 7: Incompatibilities

Please list all incompatibilities (if may): Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volutiles:	<u>X</u>
Reactivity:	X
Corrosivity:	<u>x</u>
Ignitability:	X

Authorized Signature:

SECTION 9: Generator's Certification

The information contained herein is based on 🔯 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that has materials tested are representative of all materials described by this document.

Printed Name/Title: Vice Presiden +					
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:				
Compliance Officer: Lobbart Mark	: 01				
Date: 2-1-07 Approved / Rejected	Solidification UL				
	\$ 125/du				
Approval Number: 2057					

SE	ECTION 10: Waste Receipt Classification Under 40 CFR 437		
ist	s this material a wastewater or wastewater sludge? 🔲 YES 🛮 🗵	NO	
If	f 'Yes', complete this section.		
PL	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIA	ITE CATEGORY, GO TO T	HE NEXT PAGE.
<u>Meia</u>	tals Subcutegory: Subpart A		\$**
	Spent electroplating baths and/or sludges Meral finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroph Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment		ons
Oils !	s Subcategory: Subpart B		
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Think clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes		
Orya	ganics Subcategory: Subpart C		
	Landfill leachate Contaminated groundwater clean-up from non-patroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources		3 · · · · · · · · · · · · · · · · · · ·

(1)	If the	raste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.			
(2)	If the v	raste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess takes listed below, the waste should be classified in the metals subcategory.			
	Chrom Copper	m: 0.2 mg/L பா: 8.9 mg/L : 4.9 mg/L 37.5 mg/L			
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper. or nickel above any of the values listed above, the waste should be classified in the organics subcategory.				
		Metals Subcategory			
		Oils Subcategory			

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

TOTAL P.05

SGAY 1009

Page 1/7
Date: 12/03/2004
Version 5/E

Solutia Inc.

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

ADIPONITRILE

Reference Number:

000000000222

Date:

12/03/2004

Company Information:

United States:

Solutia Inc.

575 Maryville Center Drive, P.O. Box 66760

St. Louis MO 63166-6760

Emergency telephone: Chemtree: 1-800-424-9300

Non-Emergency telephone: 1-314-674-6661

Mexico:

Solutia MEXICO, S. DE R.L. DE C.V.

Paseo de la Reforma No. 2654 Piso 3-A

Col. Lomas Altas

C.P. 11950 Mexico D.F.

Emergency telephone: SETIQ: (in Mexico) 01-800-002-1400

Non-Emergency telephone: (in Mexico) 01-55-5259-6800

Canada:

Solutia Canada Inc.

6800 St. Patrick Street

LaSalle, PQ H8N 2H3

Emergency telephone: CANUTEC: 1-613-996-6666

Non-Emergency telephone: 1-314-674-6661

Brazil:

Solutia Brazil Ltd.

Avenue Carlos Marcondes, 1200

CEP: 12241-420-São José dos Campos/SP-Brazil Emergency telephone: 55 12 3932 7100 (PABX)

Non-Emergency telephone: 55 11 3365 1800 (PABX)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Form:

liquid

Colour:

colourless

Odour:

perceptible adour

WARNING STATEMENTS

WARNING

Harmful if inhated

Harmful it swallowed

Harmful if absorbed through skin

If exposed, take first aid action immediately. Symptoms may be delayed.

Causes eye irritation

Causes skin irritation

Contains material which can cause nervous system damage

POTENTIAL HEALTH EFFECTS

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Version 5./E

Likely routes of exposure:

eye and skin contact

inhalation

Eye contact;

Highly irritating to eyes.

Skin contact:

Harmful if absorbed Highly irritating to skin.

Inhalation:

May be barmful if inhaled.

Ingestion:

May be harmful if swallowed.

Refer to Section 11 for toxicological information.

3. COMPOSITION/INFORMATION ON INCREDIENTS

Components

CAS No.

Average Concentration Units

concentration range

adiponitrile

111-69-3

100.0

4

4. FIRST AID MEASURES

General: Get patients to fresh air, have them lie down. Remove contaminated clothing but

keep patient warm. Start decontamination and indicated treatment immediately.

Rescuers must use care to prevent contact with the material.

Get medical attention.

Contact a Poison Control Center,

If in eyes: Imme

Immediately flush with plenty of water for at least 15 minutes.

Administer 100% oxygen, If symptoms occur, administer ANTIDOTE TREATMENT as described below. If not breathing, give artificial respiration.

If on skin;

Immediately flush with plenty of water for at least 15 minutes.

Remove clothing and shoes immediately.

Wash clothing before reuse.

Administer 100% oxygen. If symptoms occur, administer ANTIDOTE TREATMENT as described below. If not breathing, give artificial respiration.

Destroy contaminated shoes.

If inhaled:

Remove patient to fresh air.

Administer 100% oxygen. If symptoms occur, administer ANTIDOTE TREATMENT as described below. Unot breathing, give artificial respiration.

If swallowed:

Administer 100% oxygen, If symptoms occur, administer ANTIDOTE TREATMENT as described below. If not breathing, give artificial respiration.

Antidotes:

Break an amyl nitrite pearl in a cloth and hold pearl lightly under nose or place inside oxygen mask for 30 seconds. Repeat inhalation of amyl nitrite at about 30-second intervals. Resume oxygen between amyl nitrite. Use a new amyl nitrite pearl every 3 to 5 minutes until directed otherwise by medical personnel.

Notes to physicians:

Call a Poison Control Center for guidance. If patient exhibits signs suggestive of eyanide poisoning following the exposure, and has not responded to amyl nitrite.

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inject intravenessly 10 milliliters of a 3% solution of sodium nitrite at a rate not greater than 2.5 to 5.0 milliliters per minute. Follow directly with 50 milliliters of a 25% solution of sodium thiosulfate at the same rate by the same route. Keep patient under observation. Oxygen therapy may be of value in combination with nitrite and sodium thiosulfate treatment. If signs of poisoning persist or reappear, repeat nitrite and thiosulfate injections 1 hour later in one half the original doses.

5. FIRE FIGHTING MEASURES

Hazardous products of combustion:

carbon monoxide (CO); nitrogenous products; hydrogen cyanide (HCN)

Extinguishing media:

Water spray, foam, dry chemical, or carbon dioxide

Unusual fire and explosion hazards:

Keep containers cool by spraying with water if exposed to fire.

Fire fighting equipment:

Firefighters, and others exposed, wear self-contained breathing apparatus.

Equipment should be thoroughly decontaminated after use.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Keep upwind.

Keep unauthorized persons, children and animals away from the affected area.

Remove any sources of sparks. flame, or hot surfaces.

Shut off leaks if without risk. Wear full protective clothing.

Wear self-contained breathing apparatus.

Ensure adequate ventilation.

Environmental

Prevent liquid entering sewers.

precautions:

Keep out of drains and water courses.

Refer to Section 13 for disposal information and Sections 14 and 15 for reportable quantity information.

7. HANDLING AND STORAGE

Handling

Amyl nitrite is an antidote.

Always have a cyanide first aid kit on hand.

Do not get in eyes, on skin, or on clothing.

Do not breathe vapour.

Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

Emptied containers retain vapour and product residue. Observe all recommended safety precautions until container is cleaned, reconditioned or destroyed. The reuse of this material's container for non industrial purposes is prohibited and any reuse must be in consideration of the data provided in this material safety data sheet.

Storage

General:

Store in a cool, well ventilated place away from foodstuffs, reducing agents and acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne exposure limits:

(m1/m3 - ppm)

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adiponitrile

ACGIII TLV: 2 ml/hi3 , 8.8 mg/m3; ; 8-hr TWA

* skin absorption of this material may add to the overall exposure,

Eye protection:

Wear chemical goggles.

Have eye flushing equipment available.

Hand protection:

Wear chemical resistant gloves.

Body protection:

Wear suitable protective clothing.

Consult the glove/clothing manufacturer to determine the appropriate type

glove/clothing for a given application.

Wear full protective clothing if exposed to splashes.

Wash contaminated skin promptly.

Launder contaminated clothing and clean protective equipment before reuse. Have safety shower available at locations where skin contact can occur.

Wash thoroughly after handling.

Respiratory protection:

Avoid breathing vapour or mist.

Use approved respiratory protection equipment when airborne exposure limits are

exceeded.

Consult the respirator manufacturer to determine the appropriate type of equipment for

a given application.

Observe respirator use limitations specified by the manufacturer.

Ventilation:

Provide natural or mechanical ventilation to control exposure levels below airborne

exposure limits.

If practical, use local mechanical exhaust ventilation at sources of air contamination

such as processing equipment.

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash point:

161 C

Closed cup

Specific gravity:

0.965 @ 20 C

Boiling point:

295 C

Freezing point

2.3 C

Vapour pressure:

<1 hPa @ 25 C

Water solubility:

60 g/l @ 25 C

Viscosity:

6.3 mPa.s @ 25 C

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Conditions to avoid:

All sources of ignition.

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Materials to avoid:

Contact with oxidizing agents.

Hazardous reactions:

Hazardous polymerization does not occur.

Hazardous decomposition

products:

carbon monoxide (CO); hydrogen cyanide (HCN); nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

This product has been tested for toxicity. Results from Solutia sponsored studies or from the available public literature are described below.

Acute unimal toxicity data

Oral:

LD50 . rat, 250 mg/kg, Moderately toxic following oral administration.

Dermal:

LD50, rabbit, > 794 mg/kg, Moderately toxic after skin application in animal

studies.

Inhalation:

LC50, rat, 2.9 mg/l, 4 h, Moderately toxic based on animal inhalation exposure

studies.

Eye irritation:

rubbit, Slightly irritating to eyes.,

Skin irritation:

rabbit, Practically non irritating to skin (rabbit)., 4 h

Repeat dose toxicity.

rat, inhalation, subchronic,

Produced effects on body weight, serum enzymes and/or organ weights in repeat

dose studies. Produced increased mortality in feeding studies.

Repeat dose toxicity

rat, drinking water, chronic,

Adverse effects observed in repeat dose studies.

Target organs affected

udrenals

Developmental toxicity:

rat, ..., No effects on offspring observed in laboratory animals in the presence of maternal toxicity., No birth defects were noted in rats given the active ingredient

orally during pregnancy.

Reproductive toxicity:

rat, inhalation, This material had no effect on reproduction or fertility.

Mutagenicity:

No genetic effects were observed in standard tests using bacterial and animal cells.

No genetic effects were observed in standard tests using whole animals.

12. ECOLOGICAL INFORMATION

Environmental Toxicity

Invertebrates

48 h, LC50 Water flea (Daphnia magna) > 1000 mg/l

Fish:

96 h. LC50 Rainbow trout (Oncorhynehus mykiss) 670 mg/l

96 h, LC50 Fathead minnow (Pimephales prometas) 1930 mg/l

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Environmental fate

Biodegradation

Readily biodegradable,

13. DISPOSAL CONSIDERATIONS

US EPA RCRA Status:

This material when discarded is not a hazardous waste as that term is defined by the

Resource, Conservation and Recovery Act (RCRA), 40 CI'R 261.

Disposal considerations:

Incineration

Recycle

Miscellaneous advice:

Local, state, provincial, and national disposal regulations may be more or less stringent.

Consult your attorney or appropriate regulatory officials for information on such

This product should not be dumped, spilled, rinsed or washed into sewers or public

waterways.

14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

US DOT

Proper shipping name:

Hazard Class:

Hazard Identification number:

Packing Group:

Transport label:

Canadian TDG

Proper shipping name:

Hazard Class:

Packing Group.

Transport label:

ADEPONITRILE

UN2205

· Packing Group III

Toxic

ADPRONITRILE

Hazard Identification number:

6.1

UN2205

Packing Group III

Toxic

ICAO/IATA Class

Other:

See DOT Information

15. REGULATORY INFORMATION

All components are in compliance with

the following inventories:

U.S. TSCA, Canadian DSL, EU EINECS, Japanese ENCS, Australian

AICS, Korean, Phillipine PICCS, Chinese

Canadian WHMIS classification:

O2(B) - Materials Causing Other Toxic Effects

SARA Hazard Notification:

Hazard Categories Under Title III

Immediate

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Rules (40 CFR 370);

Section 302 Extremely Hazardous

adiponitrile

Substances:

Section 313 Toxic Chemical(s):

Not applicable

CERCLA Reportable Quantity:

Not applicable

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation and the MSDS contains all the information required by the Canadian Controlled Products Regulation.

Refer to Section 11 for OSHA/HPA Hazardous Chemical(s) and Section 13 for RCRA classification.

Safety data sheet also created in accordance with Brazilian law NBR 14725

16. OTHER INFORMATION

Product use:

Intermediates

Reason for revision:

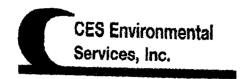
New ANSI Standard

	Health	Fire	Reactivity	Additional Information
Suggested NPPA Rating	2	2	1	
Suggested HMIS Rating:	2	2	Ĭ	j

Prepared by the Solutia Hazard Communication Group. Please consult Solutia @ 314-674-6661 if further information is needed.

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Responsible Care® is a registered trademark of the American Chemistry Council.

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4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:

HOU-2057

Customer:

BW Services

Waste Generator:

BW Services

Waste Stream Name:

Unused adponitrile

Expiration Date:

2/1/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

 $\sqrt{\text{No changes}}$, please recertify.

Please send new profile as waste stream has changed.

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

> **TCLP Metals** TCLP Volatiles

TCLP Semi-volatiles

Reactivity Corrosivity

Ignitability



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/13/2007

Dear Bill Galena

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2058

Generator: Schneider National Bulk Carriers

Address: 1415A Penn City Rd

Houston, TX 77015

Waste Information

Name of Waste: TPH contaminated soil

TCEQ Waste Code #: CESQ3191

Container Type:

25 yd box

Detailed Description of Process Generating Waste:

Soil dug up because of rupture of used oil tank

Color: darkk

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

713 676 1676

P.02



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cescuvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener			•	
Company	Schnelder National		<u> </u>	
Address:	Houston, TX 7701:			
City, State, Zip: Contact	Peter Broussar)	Title:	
Phone No:	281-864-6410		Fax No:	281-864-6431
24/hr Phone:	201-004-0110		_ *#* 140.	
U.S. EPA L.D. No:	TXCESQG			
State I.D.	CESQG		SIC Code:	
SECTION 2: Billing Company: Address:	Information - 🛭 S	ame as Above	,	
City, State, Zip:		771		
Contact: Phone No:		Title: Fax No:		
		FAX ING:		
SECTION 3: Gener	al Description of the	Waste		
TPH		M (1)——		
Name of Waste; Con Detailed Description	<u>taminated Suil</u> of Process Generation	ng Wasie: Soil dug up bec	ause of rupture of	used oil tank
Physical State:	Liquid	Shidge [Powder	
a ajoione other	Solid	Filter Cake	Combination	
	EZ SUITA	The Case	Continuation	
Color: dark	O	dor: hydrocarbon		
Specific Gravity (wat	ers); A	Density: A lbs/gal		
Layers:	Single-phase	Multi-phase		
Container Type:	☐ Drom	☐ Tote ☐	Truck	Other (explain)
Container Size:	151 G till		1 170ck	25 vard box
Container Size:	**************************************			<u> </u>
Frequency:	Wcokly	Monthly	Quarterly	Yearly
Number of Units (con		Other: approx	c. 6 boxes	
Texas State Waste Co	riie No:	ES03191		
Proper U.S. DOT Shi		Non RCRA Non DO	T Regulated Wast	e Sall
Class: NA	UN/NA	: NA	PG: NA	RQ: NA
Flash Point	рН	Reactive Sulfides	Reactive Cys	anides Solids
NA POINT		NAmg/I	NAmg/I	100%
Oil&Grenne	TOC	Zinc	Copper	Nickel
>1500mg/I	>1500mg/l	NAmg/I	NAmg/I	NAme/I

CES Environmental Service

713 676 1676

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SECTION 4: Physical and Chemical Data

	COMPONEN The waste consists of the	Concentration Ranges are acceptable	Units or %	
Soil			100	%
Used Oil			trace	
<u>-</u>				

SECTION	5: Sa	fety Re	inted	Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MES Analytical #7020053

SECTION 7: Incompatibilities

Please list all incompatibilities (If any): oxidizers NA

SECTION 8: Generator's Knowledge Documentation

Laboratory unalysis of the	he hazurdous waste characteristics,	listed below, WAS NOT	PERFORMED based	l upon the following
generator knowledge:			ř	

TCLP Metals:	-
TCLP Volatiles:	
TCLP Semi-Volatiles:	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Reactivity:	
Corrosivity:	
Ignitability:	

SECTION 9: Generator's Certification

The information contained herein is based on 🔲 generator knowledge and/or 🖂 analytical data. I hereby certify that the above a	nd
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or will	ul
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materia	ıls
tested are representative of all materials described by this document.	

eter knowson Date; 2-12-07 Authorized Signature: \\

Printed Name/Title: Peter Broussar

We there is

CES USK OFILY (DO NOT WRITE IN THIS SPACE) Compliance Officer:	Process Facility Information: 15 \$75/yard disposal \$350/load trans Redurent to Republic
Approval Namber: 2000	

P.04

•	SECTION 10: Waste Recoipt Classification Under 40 CFR 437
March 1997	ls this material a wastewater or wastewater sludge? YES NO
	If 'Yes', complete this section.
•	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
·	Metals Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
	Oils Subcategory: Subpart B
h • 1	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill cluan-up Bilge water Kinsc/wash waters from petroleum sources
	Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Kinsc/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
	Ornanies Subcategory: Subpart C
· 李章(Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-hearing wastes Off-specification organic product Still bonoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxics formulation Wastewater from organic chemical product operations

Tank clean-out from organic, non-petroleum sources

713 676 1676

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(i)	It the waste contains on and greate at or in excess of too mg/r. The waste should be classified in the one subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excellent the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains off and grease less than 100 mg/L, and does not have concentrations of cadmium. chromium. copper,

(3)	grease less than 100 mg/L, and does not have conce s listed above, the waste should be classified in the	
		*

Metals Subcategory
Oils Subcategory
Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd

Phone: (713) 676-1460 (713) 676-1676

Houston, TX 77021

Attn:

Dana Carter

- CERTIFICATE OF RESULTS -

MES Lab#:

7020053

Client Sample ID:

Contaminated Soil

Extended ID:

Schneider

Sample Collect Date: 2/5/2007 @ 8:00:00 AM

Sample Type:

Comp

Sample Receipt Date: 2/5/2007 @ 9:05:00 AM

Test Group / Method	_		,			
TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: TF Date / Time	
Arsenic	0.020	5	< 0.020	mg/L	2/7/2007 /	9:37 PM
Earium	0.0005	100	0.316	mg/L	2/7/2007 /	9:37 PM
Cadmium	0.002	1	< 0.002	mg/L	2/7/2007 /	9:37 PM
Chromium	0.002	5	< 0.002	mg/L	2/7/2007 /	9:37 PM
Lead	0.005	5	0.006	mg/L	2/7/2007 /	9:37 PM
Selenium	0.024	1	< 0.024	mg/L	2/7/2007 /	9:37 PM
Silver	0.002	5	< 0.002	mg/L	2/7/2007 /	9:37 PM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TF Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	2/7/2007 /	10:14 PM
Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL		Result	Units	Analyst: TF Date / Time	R .
C6 - C12 Hydrocarbons	4		154	mg/kg	2/7/2007 /	10:27 PM
>C12 - C28 Hydrocarbons	8		14100	mg/kg	2/7/2007 /	10:27 PM
>C28 - C36 Hydrocarbons	8		13600	mg/kg	2/7/2007 /	10:27 PM
Total TPH	20		27900	mg/kg	2/7/2007 /	10:27 PM
BTEX Method: SW-846 8021B	MDL		Result	Units	Analyst: HD Date / Time	
Benzene	0.5		< 0.5	mg/kg	2/7/2007 /	1:16 PM
Toluene	0,5		< 0.5	mg/kg	2/7/2007 /	1:16 PM
Ethyl benzene	0.5		< 0.5	mg/kg	2/7/2007 /	1:16 PM
M+P-Xylene	0.5	•	< 0.5	mg/kg	2/7/2007 /	1:16 PM
			•			

Report Date: 12-Feb-07

Page; of 2

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460 (713) 676-1676 Fax:

Attn:

Dana Carter

- CERTIFICATE OF RESULTS -

MES Lab#:

7020053

Client Sample ID:

Contaminated Soil

Extended ID:

Schneider

Sample Collect Date: 2/5/2007 @ 8:00:00 AM

Sample Type:

Comp

Sample Receipt Date: 2/5/2007 @ 9:05:00 AM

Test Group / Method TCLP Metals (8) Analyst: TFR Method: SW-846 6010B MDL RL Result Units Date / Time 0.020 5 Arsenic < 0.020 mg/L 2/7/2007/ 9:37 PM Barium 0.0005 100 0.316 2/7/2007 / 9:37 PM mg/L Cadmium 0.002 1 < 0.002 mg/L 2/7/2007 / 9:37 PM Chromium 0.002 5 < 0.002 mg/L 2/7/2007 / 9:37 PM Lead 0.005 5 0.006 2/7/2007 / 9:37 PM mg/L Selenium 0.024 1 < 0.024 mg/L 2/7/2007/ 9:37 PM Silver 0.002 5 < 0.002 9:37 PM 2/7/2007 / mg/L **TCLP Mercury** Analyst: TFR Method: SW-846 7470A MDL RL Result Units Date / Time < 0.0002 mg/L 0.0002 0.2 2/7/2007 / 10:14 PM Total Petroleum Hydrocarbons Solid Analyst: TFR MDL Method: TNRCC 1005 Units Date / Time Result 4 C6 - C12 Hydrocarbons 154 2/7/2007 / 10:27 PM mq/kg 8 >C12 - C28 Hydrocarbons 14100 mg/kg 2/7/2007 / 10:27 PM 8 >C28 - C36 Hydrocarbons 13600 2/7/2007 / 10:27 PM mg/kg Total TPH 20 27900 mg/kg 2/7/2007 / 10:27 PM BTEX Analyst: HDG Method: SW-846 8021B MDL Result Units Date / Time 0.5 < 0.5 2/7/2007 / 1:16 PM Benzene mg/kg 0.5 < 0.5 2/7/2007 / 1:16 PM Toluene mg/kg 0.5 < 0.5 2/7/2007 / 1:16 PM Ethyl benzene mg/kg M+P-Xylene 0.5 < 0.5 2/7/2007 / 1:16 PM mg/kg 0.5 < 0.5 1:16 PM 2/7/2007 / o-Xylene mg/kg

Report Date: 08-Feb-07

Page of 2

- CERTIFICATE OF RESULTS -

MES Lab#:

7020053

Client Sample ID:

Contaminated Soil

Extended ID:

Schneider

Sample Collect Date: 2/5/2007 @ 8:00:00 AM

Sample Receipt Date: 2/5/2007 @ 9:05:00 AM

Sample Type:

Comp

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL-regulatory limit

Holland D. Gilmore, Laboratory Director

Thursday, February 08, 2007

Date

Report Date: 08-Feb-07

Page 2 of 2

7020053

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTES	METHOD TPH1005	MB mg/kg		CCV %REC	MS %REC	MSD %REC				
C6-C12 C12-C28		< 4 < 8		96.0 97. 4	99.6 100.6	99.0 100.0				
ANALYTES	METHOD 8021B	MB mg/L		MS %REC	MSD %REC	RPD	 	STD %REC		
Benzene Toluene Ethylbenzene m+p Xylene o-Xylene		< 0.005 < 0.005 < 0.005 < 0.005	5 5	90.8 100.0 99.8 102.0 97.3	91.0 101.0 104.0 112.0 108.0	0.22 1.00 4.12 9.35 10.42		89.6 98.9 99.7 110.3 103.2		
SURROGATE	SPIKE RECOV	ERY FOR	BTEX		···			% REC		
4-Bromofluoro	benzene							104.8		
ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L		CCV %REC	MS %REC	MSD %REC	RFD
Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	< 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.0024 < 0.001	94 105.0 109.4 109 106.1 101.0 108.1 110	94 105 110.9 107 109.2 97.5 91.4 109	0.7 0.43 1.32 2.50 2.90 3.53 16.7 0.91	< 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.000 < 0.024 < 0.001	2	91 101 107 103 107 102.0 87 104	76.4 65.2 70.9 70.0 67.7 64.9 73.4	77.2 67.7 72.0 72.2 71.9 61.8 75.6	1.04 3.8 1.5 3.0 6.7 5.0 3.06

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

MS=Matrix Spike

MSD=Matrix Spike Duplicate

RPD=Relative Percent Deviation MB=Method Blank

LCS=Laboratory Control Standard

CCV=Continuing Calibration Verification CCB=Continuing Calibration Blank

Rec=Percent Recovery

Signature:

Holland D. Glimore / Laboratory Director

February 8, 2007

- Mercury Environmental Services, Inc. =

7020053

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC	
C6-C12 C12-C28		< 4 < 8	96.0 97.4	99.6 100.6	99.0 100.0	

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	STD %REC	
Benzene		< 0.005	90.8	91.0	0.22	89.6	
Toluene		< 0.005	100.0	101.0	1.00	98.9	
Ethylbenzene		< 0.005	99.8	104.0	4.12	99.7	
m+p Xylene		< 0.005	102.0	112,0	9.35	110.3	
o-Xylene		< 0.005	97.3	108.0	10.42	103.2	

SURROGATE SPIKE RECOVERY FOR BTEX

% REC

4-Bromofluorobenzene

104.8

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RF D
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.[4
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.(
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.(6

ANALYTE	i	MB mg/L	ORIG mg/L	DUP mg/L	RPD_	STD %REC	LCS %REC	LCSD %REC	RF D
Fluoride	ě	< 0.01	0.852	0.741	13.9	95.6	99.8	97.5	2.2 8
Chloride		< 0.02	2.90	2.95	1.813	97.9	97.0	96.9	0,(452
Bromide		< 0.01	0.00	0.00	0.00	95.2	91.6	91.6	0,(455

– Mercury Environmental Services, Inc. –

7020053 Page 2

QA/QC REPORT CONTINUED

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

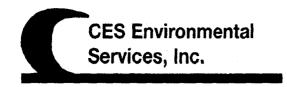
MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank

LCS=Laboratory Control Standard CCV=Continuing Calibration Verification CCB=Continuing Calibration Blank Rec=Percent Recovery

Signature: Holland D. Gilmore / Laboratory Director

February 12, 2007

COMPANY NAME: (BILL TO:) LEST COMPANY ADDRESS: 4954	griggs k	oad)	100 1		ME Mercu 913 Hw							TODY s	1-800-771-4MES (281) 476-4534 Fax (281)-476-4406	02/08/2007 -
CONTACT PERSON'S NAME: DAY CONTACT PERSON'S PHONE: 113- YOUR PROJECT NO: YOUR PROJECT ADDRESS:	a Carter 148-980	FAX#:	DIFCT NAME:	1021 10-116 1011			RAME	TERS F		ALYSIS		NUMBER OF COME	7	TURNARQUID TIME TURNARQUID TIME DETECTION LIMITS SPECIAL LIMITS REQUIRED Yes No.	17:48
YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	18	H	a	1	1	′ {	(NON.	PRES	Please circle one, if Yes, please describe below	14
Contamunated Sc	il Comp	量15	800m		X	Х	X	X						ar include separate sheet detailing requirements.	4/64486
					1-										1
															1
>															1
															1
														onice	
														6,0	
PERSON TAKING SAMPLE SIGNATURE (a - P. RELINGUISHED BY:	int Name & b. Sign.): A DATE TIME	Day ARCEIVED	Lar BY:	A	ELINOUISHED	BY:	ne	ei S	4	DATE	5	JIME TIME	O (ETVED BY: SETVED BY: SETVED BY:	1
METHOD OF PAYMENT	SHIPPED BY:	(Signatus)	CON	RIER	ignature)			REC S			. 2		(Sigr	Hag: US	_
Sample Remainder Disposal Disposal Return Sample Remainder To Client Via				1	l Request L	ab To Di	apose (Of All Sa	mpie Re	mainder	3	<u></u>	atel		1



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/14/2007

Dear Robert Ybarra

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile# 2059

Generator: Texas Oil Tools, NOV (Conroe)

Address: 700 Conroe Park North

Conroe, TX 77303

Waste Information

Name of Waste: Used oil and coolant

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Coolant and oil from machining operations, includes motor oil and hydraulic oil from equipment fluid changes. Same waste stream as CES-1860, moved location from Brandt NOV.

Color: brown with greenish la Odor: oil like pH: neutral

Physical State:

Incompatibilities: oxidizers

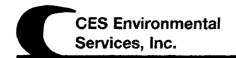
Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

(713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

				•
SECTION 1: Gener				
Company:	Texas Oil Tools, NO			
Address:	700 Conroe Park Nor	th		
City, State, Zip:	Conroe, TX 77303			
Contact:	Robert Ybarra		_ Title:	HSE Manger
Phone No:	936-520-5326		_ Fax No:	
24/hr Phone:	CES-713-676-1460			
U.S. EPA I.D. No: 7				, A
State I.D.	CESQG		SIC Code:	NA
	_			
	g Information – 🗌 San	ne as Above		
Company:	Texas Oil Tools, NOV			
Address:	P.O. Box 2488			
City, State, Zip:	Conroe, TX 77305-248			
Contact:	Robert Ybarra	Title:	HSE Manag	er
Phone No:	936-520-5326	Fax No:		
SECTION 3: Gener	al Description of the W	<u>/aste</u>		
	of Process Generating	Waste: Coolent and oil e stream as CES-1860, m		g operations, includes motor oil and hydraulic from Brandt NOV.
DI 1 101	[X]	T 01-1 F	7 n	
Physical State:	☐ Liquid [Sludge	Powder	
	☐ Solid	Filter Cake	🗌 Combinati	on
Color: Brown with g	reenish layer Odo	or: <u>oil like</u>		
Specific Gravity (wa	ter=1): <u>.90</u>	Density: 8 lbs/gal		
Layers:	Single-phase	Multi-phase		
~ · · · · · · · · · · · · · · · · · · ·		¬ m	1	
Container Type:	∐ Drum [☐ Tote 🗵	-	Other (explain)
Container Size:	***************************************		<u>1500 gal</u>	
Frequency:	☐ Weekly [Monthly 🗵	Quarterly	Yearly
		Other:	Quarterly	
Number of Units (co	· —			
Texas State Waste C	ode No: NA-K	lecyclable Material		·
Proper U.S. DOT Sh		Non-RCRA; Non-DC		
Class: NA	UN/NA:	NA	PG: N	A RQ: NA
			. —	
	T			
Flash Point	1 •	eactive Sulfides	Reactive (
<u>>140</u>		mg/l	Omg/I	Sintal
Oil&Grease	TOC >1500mg/l	Zinc Omg/I	Copper Omg/l	Nickel Omg/l
- 1000HE2/I	1 - 1000102/1	UIIIE/I	V111E/1	Using/1

1 1 9 ...

SECTION 4: Physical and Chemical Data

SWILL WAS THE CONTRACTOR OF TH	The state of the s	0 113
The waste consists of the following materials	Ranges are acceptable	or %
Used Oil and Cutting Oil	20-80	%
Water	0-20	%
Coolant	20-60	%
Metal shaving, dirt	0-3	%
		_

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Chlor-D-Tect

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

The information contained herein is based on \(\subseteq \text{generator know} \) attached description is complete and accurate to the best of my omissions of composition properties exist and that all known or tested are representative of all materials described by this docume	y knowledge and ability to determine that no deliberate or willfi suspected hazards have been disclosed. I certify that the material nt.
Authorized Signature:	Date: 2 - 12 - 07
Printed Name/Title: Robert Ybolera H:	se manager
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robber Manada	Additional Information:
Date: 2-14-07 Approved Rejected	REC
Approval Number: 2059	

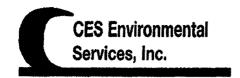
ECTION 10: Waste Receipt Classification Under 40 CFR 4	<u>437</u>	v - v - **
this material a wastewater or wastewater sludge? YES	⊠ NO	
'Yes', complete this section.		
LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGORY, GO	TO THE NEXT PAGE.
als Subcategory: Subpart A		
Vibratory deburring wastewater		erations
Subcategory: Subpart B		
Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	3	
Landfill leachate	urces	
	Sthis material a wastewater or wastewater sludge? YES Yes', complete this section. LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE Subcategory: Subpart A Spent electroplating baths and/or sludges Mctal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes mics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from organic chemical products formulation Wastewater from organic chemical product operations	Stitis material a wastewater or wastewater sludge? VES NO Syear', complete this section. LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO and Subcategory: Subpart A Spent electroplating baths and/or sludges Mctal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incincration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating optivibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Coolants Coolants Coolants Coolants Coolants Coolants Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes unics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Oif-specification organic product Still bottoms Supproduct waste glycol Wastewater from paint vashes Wastewater from paint vashes Wastewater from paint vashes Wastewater from paint vashes Wastewater from paint chemical proc act operations

Sample Evaluation Form

Sample ID #	0006	Date	7	r <u>[/</u>	106
-------------	------	------	---	-------------	-----

Please Complete This Section

Generator / Customer Name: Texas Cil 700 C
Name or Type of Waste: (colant/oil/water
Process Generating Waste: Machine Granding
Number of Samples : Submitted By :
Analysis To Be Completed : Chlor-13-72-1
Turn Around Time: 175 AT
Other: Mold sample if Chlor 17-7201
fails.
(Lab Use Only)
Sample Results: PASSED CHLOR D Tect
Suggested Method of Treatment :
Suggested Price Range :
Sample Results Reported to
Test Completed By: $4c$ Date: $9,08,06$ Time: 1:30 M



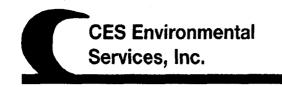
HOU-2059

CES Waste Approval #:

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

Customer: Texas Oil Tools, NOV (Conroe) Waste Generator: Texas Oil Tools, NOV (Conroe) Waste Stream Name: **Used oil and coolant Expiration Date:** 2/14/2009 As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3. Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box) No changes, please recertify. Analysis is NOT required for recertification. Please send new profile as waste stream The following analysis is required for recertification. has changed. Please sumbit results of the following tests. **TCLP Metals** TCLP Volatiles TCLP Semi-volatiles Reactivity Corrosivity Ignitability



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/15/2007

Dear Paul Roberts

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2060

Generator: Pathfinder Energy Services-Interdrive West

Address: 14001 Interdrive West

Houston, TX 77032

Waste Information

Name of Waste: Recycled hydrocarbon and water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Water, oil, and grease from washing off petroleum drilling equipment.

Color: black

Odor: none

pH: 5-9

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

FEB-14-2007 13:32

CES Environmental Service

713 676 1676 P.02



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene		(Drill Motor Services)		
Company: Address:	14001 Interdrive			
City, State, Zip:	Houston, TX 770			
Contact:	Anthony		Title:	
Phone No:	281-987-0254		Fax No:	713-676
24/hr Phone:	281-987-0254			
U.S. EPA I.D. No:	Na		-	
State I.D.	Na		SIC Code:	-NA
SECTION 2: Billin	e Information – 🗵	Same as Above		
Address:				
City, State, Zip:		Title:		
Phone No:		Fax No:		
1 Hotte 1401				
SECTION 3: Gene	ral Description of th	c Waste		
		n and Water Mixture ing Waste: Water, oil, and	gease from was	shing off petroleum drilling equipment
Physical State:	∠iquid	Sludge [Powder	
	☐ Solid	Filter Cake		an
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
Color: Black		Odor: <u>None</u>		
Specific Gravity (wa	ntcr-1): <u>.9-1</u>	Density: 8-8.3 lbs/gal		
Layers:	Single-phase	Multi-phase		
Container Type:	□ Drum	☐ Tote 🗵	Truck	Other (explain)
Container Size:		vii	5000	a outer (expressi)
Chusanici 2176	*		2000	
Francos	Weckly	Monthly [Quarterly	☐ Yearly 1
Frequency: Number of Units (co		Other:	, «-mi.c.i)	tend * **********************************
Texas State Waste C	· 	cyclable		
		<u> </u>		
Proper U.S. DOT St	ilpping Hame:	Recyclable ! //drocari	bon and hi	oter mixture
Class: Na	R/Nu P	A: Na	PG: N	RQ: Na
	· 			
Flash Point	ρH	Reactive Sulfides	Reactive C	
>150	5-9	Omg/I	Omg/l	0-5%
Oil&Grease	TOC	Zinc	Capper	Nickel
>1500mg/l	7150 mg/1	<u>· 0</u> mg/l		.08mg/l

CES Environmental Service

713 676 1676

P.03

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	85-95	0.0
Hydrolic Oils	1-3	0.0
Diesel	1-3	n, o
Greese	1-3	%
Dirt	1-5	9.0
Dirt	1-3	1:0

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level DPPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): Nonc/Possible Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory unalysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volutiles:	<u> </u>
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on permitted permitted permitted data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information:	
Compliance Officer: Rollshilly A	G) hel Trans	N .
Date: Z-15-27 Approved Rejected	17/92	
Approval Number: 2060	REC	

FEB-14-2007 13:32 CES Environmental Service

713 676 1676

<u>SI</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437	
Is	s this material a wastewater or wastewater sludge? [YES	MO NO
lf	f 'Yes', complete this section.	
Pl	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPR	NATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electro Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipme	
Olls S	Subcategory: Subpart B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
<u>Organ</u>	nics Subcategory: Subpart C	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum source Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and or epoxies formulation Wastewater from organic chemical product operations	2
L	Tank clean-out from organic, ne petroleum sources	

FROM

FEB-14-2007 13:32

CES Environmental Service

713 676 1676 P.05

(1)	lf the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exces values listed below, the waste should be classified in the metals subcategory.
	Chron	ium: 0,2 mg/L nium: 8.9 mg/L m: 4,9 mg/L I: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

3 Per



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/15/2007

Dear Tom Howe

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2061

Generator: Oceaneering International, Inc.

Address: 11917 FM 529

Houston, TX 77041

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Empty product drums

Color: various

Odor: non

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

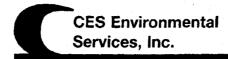
Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

(713) 676-1460 Fax: (713) 676-1676 (13) http://www.cesenvironmental.com 2061 TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener						
Company:	Oceaneering Intern	national, Inc.				
Address:	11917 FM 529					
City, State, Zip:	Houston, TX 7704	41				
Contact:	Tom howe			Title:	Manager	
Phone No:	713-329-4507			Fax No:	713-983-6950	
24/hr Phone:	CES-713-676-146	0	·			
U.S. EPA I.D. No:	TXR000032193					
State I.D.	86145			SIC Code:	NA	
SECTION 2: Billing	Information – 🛛 S	Same as Above				
Company:						
Address:						
City, State, Zip:						
Contact:		Т	itle:		:	
Phone No:		F	ax No:			
· ·			-			
SECTION 3: Genera	al Description of the	e Waste				
Name of Waste: RCI Detailed Description			Product D	rums	·	
Physical State:	Liquid	☐ Sludge		Powder		
•	⊠ Solid	Filter Cake		Combination	n .	
	23 20.14		-	00	· -	
Color: various		Odor: none				
Specific Gravity (wat	ter=1): <u>1.2</u>	Density: 10 lbs	/gal			
Layers:	Single-phase	☐ Multi-	phase			
Container Type:	□ Drum	Tote		Truck	Otl	her (explain)
Container Size:	55 gal				-	· •
Container Size.	<u>00 gai</u>				·	· · · · · · · · · · · · · · · · · · ·
Frequency:	☐ Weekly	Monthly		Quarterly	☐ Ye:	arly
Number of Units (cor	•	Other:	. 	- •		
Texas State Waste Co		A-Recyclable Mater	ial			
Proper U.S. DOT Shi	ipping Name:	Non-RCRA;	Non-DOT	Regulated Ma	iterial has	
Class: NA	UN/N	A: NA		PG: NA		RQ: NA
	•					
Flash Point	рH	Reactive Sulfides		Reactive Cy	vanides	Solids
none	neutral	Omg/l		Omg/l	,	100%
Oil&Grease	TOC	Zine		Copper	Nickel	
<1500mg/l	<1500 mg/l	<u>0</u> mg/l		mg/l	<u>0</u> mg/l	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Poly Drums 55 gallon	90-100	%	
Metal Drums	0-10	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

	•		
Authorized Signature:	NO Signature	Required	Date: 2-13-07
Ŭ <u>-</u>			
Printed Name/Title: No	Signature Required		

Ces use only (do not write in this space)

Compliance Officer: Replie Additional Information:

Date: 2-15-07 Approved Rejected

Approval Number: 2061

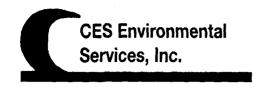
<u>S</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Met</u>	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Suppart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleam sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.		
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.		
	Chron Coppe	mium: 0.2 mg/L pmium: 8.9 mg/L per: 4.9 mg/L kel: 37.5 mg/L	
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.		
		Metals Subcategory	
		Oils Subcategory	
	П	Organics Subcategory	

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

ic:



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-2061

Customer:

Oceaneering International

Waste Generator:

Oceaneering International

Waste Stream Name:

RCRA empty containers

Expiration Date:

2/15/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream

has changed.

Customer Name

Signature

Company / Title

Date

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals

TCLP Volatiles

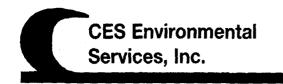
TCLP Semi-volatiles

Reactivity

Corrosivity

Ignitability

79 17 18 14-09



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/15/2007

Dear Robert Ybarra

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2062

Generator: Texas Oil Tools, NOV (Conroe)

Address: 700 Conroe Park North

Conroe, TX 77303

Waste Information

Name of Waste: Dried paint filters TCEQ Waste Code #: CESQ4091

Container Type:

Detailed Description of Process Generating Waste:

Dry paint booth filltration system - same waste stream as CES-2027. Texas Oil Tools changed locations, moved from Brandt NOV,

Color: various

Odor: none

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com 2062 TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General									
Company:	Texas Oil Tools, N		<u>.</u>		·	· · · · · · · · · · · · · · · · · · ·			
Address:	700 Conroe Park N								
City, State, Zip:	Conroe, TX 77303	3				 			
Contact:	Robert Ybarra	·	Title:	HSE Mgr.					
Phone No:	936-520-5326		Fax No:						
24/hr Phone:	CES-713-676-1460)							
U.S. EPA I.D. No: ブ			_ 						
State I.D.	CESQG		SIC Code:						
SECTION 2: Billing	Information – 🔲 S	Same as Above							
Company:	Γexas Oil Tools, NO	<u> </u>							
Address:	P.O. Box 2488								
City, State, Zip:	Conroe, TX 77305-2	488							
	Robert Ybarra	Title:	HSE Manage	r		<u> </u>			
Phone No:	936-520-5326	Fax No	:		· · · · · · · · · · · · · · · · · · ·				
SECTION 3: Genera	SECTION 3: General Description of the Waste								
Name of Waste: <u>Dried</u> Detailed Description Tools changed location	of Process Generati	ing Waste: <u>Dry Paint Bodt NOV.</u>	ooth Filtration Syste	em-Same waste	stream as CI	ES-2027, Texas Oil			
Physical State:	☐ Liquid ⊠ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combinatio	n					
Color: various	C	Odor: none							
Specific Gravity (wat	er=1): <u>1.1</u>	Density: 9 lbs/gal							
Layers:	Single-phase	Multi-phase	:						
Container Type:	Drum		Truck	По	ther (explain	1)			
Container Type. Container Size:	Drum		Truck		ther (explain	•)			
Container Size:		<u>1yd</u>		_					
Frequency: Number of Units (cor Texas State Waste Co	· 	Monthly Other:	Quarterly	□ Y	early				
Proper U.S. DOT Shi	pping Name:	Non-RCRA; Non-	DOT Regulated Ma	aterial	····				
Class: NA	UN/N	A: NA	PG: NA	<u> </u>	RQ:	NA			
					•				
Flash Point	рН	Reactive Sulfides	Reactive C	yanides	Solids				
>140	neutral	<u>0</u> mg/l	<u>0</u> mg/l	•	<u>100</u> %				
Oil&Grease	TOC	Zinc	Copper	Nickel					
>1500mg/l		0mg/l	<u>0</u> mg/l	0mg/l					

SECTION 4: Physical and Chemical Data

OURSE CONFINE SOUTH	A STATE OF THE STA			
The waste consists of the following materials	Ranges are acceptable	or %		
Dried Paint Filters	95-100	%		
Misc. Trash	0-5	%		

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. **Ananlysis**

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	
TCLP Volatiles:	ME
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	<u>X</u>
Ignitability:	X

Authorized Signature:

SECTION 9: Generator's Certification

The information contained herein is based on 🔀 generator knowledge and/or 🔀 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document. _ Date: 2-12-07

Printed Name/Title: Robert Yours HSE	manager
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robbent Margia	Additional Information:
Date: 1-15-0-7 (Approved) Rejected	\$50/dm; \$125/sac
Approval Number: 2062	<i>0</i> .5

21	CCTION 10: Waste Receipt Classification Under 40 CFR 4	<u>37</u>
Is	this material a wastewater or wastewater sludge? YES	⊠ NO
If	Yes', complete this section.	
PI	EASE CHECK THE APPROPRIATE BOX. IF NO APPRO	PRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	ls Subcategory: Subpart 4	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from elections Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equip	
Oils.	Subcategory: Subpart B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
<u>Orga</u>	nics Subcategory: Subpart C	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sour Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	rces

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460 Fax:

7136761676

Sample Type:

Attn:

Gary Brauckman

8 2006 VON

- CERTIFICATE OF RESULTS -

MES Lab#:

6100668

Client Sample ID:

Paint Filters

Extended ID:

Texas Oil Tools

Sample Collect Date: 10/24/2006 @ 3:30:00 PM

Grab

Sample Receipt Date: 10/25/2006 @ 1:15:00 PM

Test Group / Method TCLP Metals (11) Analyst: TRAHM Method: SW-846 6010B MDL Date / Time RL Result Units Antimony 0.032 1 < 0.032 mg/L 11/3/2006 / 3:56 AM 5 Arsenic 0.014 < 0.014 mg/L 11/3/2006 / 3:56 AM 0.0005 100 Barium 0.479 ma/L 11/3/2006 / 3:56 AM 0.0005 0.08 Beryllium 0.0025 mq/L 11/3/2006 / 3:56 AM 0.002 1 Cadmium 0.063 ma/L 11/3/2006 / 3:56 AM 0.002 5 0.014 11/3/2006 / 3:56 AM Chromium mg/L 0.005 5 Lead 0.009 mg/L 11/3/2006 / 3:56 AM 70 0.003 0.083 11/3/2006 / 3:56 AM Nickel mg/L Selenium 0.024 1 < 0.024 11/3/2006 / 3:56 AM mg/L 0.002 5 < 0.002 11/3/2006 / 3:56 AM Silver mg/L **TCLP Mercury** Analyst: TRAHM Date / Time MDL RL Result Units Method: SW-846 7470A Mercury 0.0002 0.2 < 0.0002 mg/L 11/1/2006 / 10:53 PM Total Petroleum Hydrocarbons Solid Analyst: TFR Method: TNRCC 1005 MDL Result Units Date / Time C6 - C12 Hydrocarbons 4 654 11/1/2006 / 2:00 AM mg/kg 8 1890 11/1/2006 / 2:00 AM >C12 - C28 Hydrocarbons mg/kg >C28 - C36 Hydrocarbons 8 < 8 11/1/2006 / 2:00 AM mg/kg Total TPH 20 2540 mg/kg 11/1/2006 / 2:00 AM **TCLP Volatiles** Analyst: HDG Date / Time MDL Method: SW-846 8260B RL Units Result 200 < 0.05 11/1/2006 / 12:43 AM 2-Butanone 0.05 mg/L

Report Date: 03-Nov-06

Page 1 of 2

- CERTIFICATE OF RESULTS -

MES Lab#:

6100668

Client Sample ID:

Paint Filters

Extended ID:

Texas Oil Tools

Sample Collect Date: 10/24/2006 @ 3:30:00 PM

Sample Type:

Friday, November 03, 2006

Grab

Sample Receipt Date: 10/25/2006 @ 1:15:00 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

/ Holland D. Gilmore, Laboratory Director

Date

6100668

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Autimonic	< 0.020	402.0	00.0	4.00	< 0.000	00.5	440.0	00.4
Antimony	< 0.032	103.8	98.8	4.89	< 0.032	96.5	118.0	96.4
Arsenic	< 0.005	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	92.6	92.4	86.1
Beryllium	< 0.002	90.9	95.9	5.36	< 0.002	92.6	93.6	93.5
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Nickel	< 0.001	103.0	104.0	0.97	< 0.001	94.3	95.2	85.3
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC				
Dibromofluoromethane	101.6				
Toluene-d8	101.5				
4-Bromofluorobenzene	94.5				

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC	
C6-C12		< 4	114.8	96.0	97.8	
C12-C28		< 8	117.0	98.0	97.8	

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature/ Holland D. Gilmore / Laboratory Director

CURROCATE CRIVE RECOVERY FOR VOLATILES

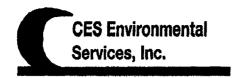
November 03, 2006

M DEC

COMPANY NAME: (BILL TO:) CES Environmen tul						MES - CHAIN OF CUSTODY				TODY)-771-4MES) 476-4534		
COMPANY ADDRESS:						Mercury Environmental Services Fax (281)-476- 6913 Hwy. 225 • Deer Park, TX 77536								
CITY	Brauba	ATE	ZIP			P/	RAMET	ERS FOR	ANALYS	IS	,	1	RE	MARKS
CONTACT PERSON'S NAME: 2/1/2	V17.5737	766-1		<u></u>	_	(M)		w.	/ /	/ /	/ /	8	TURN	AROUND TIME
						10	/ /	3 7 /	′ /	/		ZAINE /	57%) 5
2 Texas Oil 70015 UBL 0	0. #: - TE)	YOUR PRO	JECT NAME:			(Z)\ 7	$\sqrt{3}$				NUMBER OF COM	PRESERVATIONS	DETEC SPECIAL LI	TION LIMITS
PROJECT ADDRESS:	V				\ <i>\\</i>	78	/ N	′ /			MBER	SER!	Ye Dieses si	s No ircle one, if Yes,
YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRI			<u> </u>			<u> </u>	\$	184		lescribe below ude separate
paint Felters	6	102ft	J. 30	5	1	1	0				E		shee	et detailing uirements.
			·											
					į.								On	KC
3													<u>~</u>	AIC
													,	
PERSON TAKING SAMPLE SIGNATURE (a Print)		1	n		RELINQUISHE (Signature)	D BY:	pe		DAT /C	TE 1/25	TIME	REC	SIVED BY:	
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED E (Signature)	BY:		RELINQUISHE (Signature)	O BY			DA	TE	TIME		CEIVED BY:	
METHOD OF PAYMENT	SHIPPED BY: (Signature)		COU (Signa	RIER ature)				RECEIVEI (Signature)	FOR ME	S BY:	1		DATE	TIME
Sample Remainder Disposal	<u> </u>		<u> </u>	-	Request	Lab To D	ispose C	f All Sample	Remaind	ders			10 0	
☐ Return Sample Remainder To Client Via _					(Signature)		3	w			(Date)	10-2	5-06
Form # MES - CCRI WHITE &	CANARY – Shipp	oed with Sa	ample	PINK -	- Retaine	by C	ustom	er W	HITE -	Retu	rned v	with Re	port	

EPAHO105001206

JR6B



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-2062

Customer:

Texas Oli Tools, NOV (Conroe)

Waste Generator:

Texas Oil Tools, NOV (Conroe)

Waste Stream Name:

Dried paint filters

Expiration Date:

2/15/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

- 110 - 1

10

Signature

HSEQ Compliance, TO

ouniputty. Line

Date

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals
TCLP Volatiles

TCLP Semi-volatiles

Reactivity

Corrosivity

Ignitability



Future 284; pe Industries Hury Prof # 2034

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/30/2007

Dear Lauren or Susan

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2034

Generator: Future Pipe Industries Hobby

Address: 8641 Moers Road

Houston, TX 77075

Waste Information

Name of Waste: Contaminated rainwater

TCEO Waste Code #: CESQ1142

Container Type:

Detailed Description of Process Generating Waste:

Rainwater accumulated in empty containers

Color: clear

Odor: none

pH: 6-8

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460

7139108819

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information					
Company:	Future Pipc Indu	stries				
Address:	8641 Moers Road					
City, State, Zip:	Houston, TX 77	075				
Contact:	Scott Keleher			Title:	EH & S N	
Phone No:	713-941-6639			Fax No:	713-910-	8819
24/hr Phone:		CES-713-676-1460				
U.S. EPA I.D. No:	CESQG				. r.A	
State J.D.	CESQG		*	SIC Code:	NA	
SECTION 2: Billin	g Information —	Same as Above				
Company:	Future Pipe Industr					
Address:	11811 Procter Road					
City, State, Zip:	Houston, TX 7703				· · · · · · · · · · · · · · · · · · ·	
Contact:	Lauren or Susan		Title:	Purchasing		
Phone No:	281-847-2987		Fax No:	281-847-193	1	
-						
SECTION 3: Gene	ral Description of t	he Waste				
Name of Waste: Co Detailed Description			n water accu	mulation in em	oty containe	<u>rs</u>
Physical State:	⊠ Liquid	Sludge		Powder		
	Solid	Filter Ca	ke [Combinatio	n	
		_				
Color: clear		Odor: none		•		•
Specific Gravity (wa	ater=1); <u>1.0</u>	Density: 8 lb	os/gal			
Layers:	Single-phase	Mu	lti-phase			
Container Type:	☐ Drum	☐ Tote	\boxtimes	Truck		Other (explain)
Container Size:		v	_	3000	لسا	Other (explain)
Container Size:		-		3000		
Frequency:	☐ Weekly	Monthly Monthly	v 🛭	Quarterly	П	Yearly
Number of Units (co		Other:	_			
Texas State Waste		ESQ1142				
Proper U.S. DOT SI	nipping Name:	Non-RCF	A; Non-DO	T Regulated M	aterial	
Class: NA	UNA	NA: NA		PG: NA	<u> </u>	RQ: NA
1112	014/2					14V
Flash Point	рН	Reactive Sulfic	des	Reactive C	vanidae	Solids
≥150	6-8	Omg/1		Omg/I	7 11/11C2	<1%
Oil&Grease	TOC	Zinc		Copper	Nic	:kel
<1500mg/l	<1500mg/l	Ome/I		Oma/I	0.00	

SECTION 4: Physical and Chemical Data

7139108819

COMPONIONISMADE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Rain Water	99-100	%	
Dirt	0-1	%	
epoxy residue	05	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

1111

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES evauation report

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	2
TCLP Semi-Volatiles:	X
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Tgnitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on \omega generator knowledge and/or \omega analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

	nte: <u>1-23</u> -07
Printed Name/Title: Scatt Kelehar Prod. Supervisor	
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Policy Additional Information Date: 1-23-07 (Approved Rejected Approval Number: 2034	:

<u>s</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 4	<u>37</u>	
Is	this material a wastewater or wastewater sludge? YES	⊠ NO	
If	'Yes', complete this section.		
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	PRIATE CATEGORY, GO TO THE	NEXT PAGE
Met	als Subcategory: Subpart A		
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l		
	Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from elec	ctroplating or phosphating operations	
	Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equip	oment	
<u>Oils</u>	Subcategory: Subpart B		
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes		
<u>Orgu</u>			
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sour Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes	rces	
	Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean out from organic population sources		

(1)	If the waste contains oil and	I grease at or in excess of	f 100 mg/L, the was	iste should be classified	in the oils subcategory
-----	-------------------------------	-----------------------------	----------------------	---------------------------	-------------------------

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

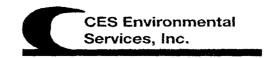
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, c	copper, or
	nickel above any of the values listed above, the waste should be classified in the organics subcategory.	'

Metals Subcategory
Oils Subcategory
Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Sample Evaluation Form

Sample ID #	000 8	3	Da	ite $\frac{1}{2}I\frac{2I}{2}$	106
Please Complete This	Section				
Generator / Customer	Name: Fu	ture Sign	re		
Name or Type of Was	. .	water			
Process Generating V	Vaste: 1414	water cal	keted in p	= pory (Out	FinDrum
Number of Samples	: /	Submitted By :	600	were and the	
Analysis To Be Comp	leted: Fla	sh point	Pricing &	valuation	7 .
Analysis To Be Comp Turnaround Time :	Lote Trac-	coming for	problems	in treatm	rent?
Other :		Driein			
		(Lab Use	Only)		
Sample Results : 🗜	LASH 7	140°F ;			
Suggested Method o	of Treatment : _	must add	Caustic		
Suggested Price Ra	nge :			9 3 4 2 ,	
Sample Results Rep	orted to	B			
Test Completed By :	AC Date	12/27	いん Time: _	9:20 AM	



8641 Moers Road Houston, TX 77075 (713) 941-6639 (713) 910-8819 fax

Fax

To:	Gary	From	: Scott Keleher	
Fax:	713.676.1676	Page	s: 1	
Phone:		Date	01/23/07	
Re:		cc:		
Urgent	For Review	☐ Please Comment	☐ Please Reply	☐ Please Recycle

Subject: Signed Waste Permit

Scott Keleher

Phone (713) 941-6639 Ext 124
Cell (713) 825 7228
Fax 713 – 910 – 8819
E-mail s.keleher@futurepipe.com

2038 River Oaks Courty Club Profit 2035



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Richard Roop

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2035

Generator: River Oaks Country Club **Address:** 1600 River Oaks Blvd

Houston, TX 77019

Waste Information

Name of Waste: Elevator shaft fluids

TCEQ Waste Code #: Recycle

Container Type:

vac box

Detailed Description of Process Generating Waste:Collection of water and oil product from elevator shaft

Color: brown, grey

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

713 676 1676



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

Fax: (713) 676-1676

http://www.ccsenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

4.4					
SECTION 1: Gene					
Company:	River Oaks Count				Math and 22
Address:	1600 River Oaks I				
City, State, Zip.	Houston, TX 770	19			
Contact:	Richard Roop		Title;	Chief En	
Phone No:	713-529-4321		Fax No:	713-520-	-8973
24/hr Phone:	CES-713-417-573	7			
U.S. EPA I.D. No:	NA-Municipal—				
State I.D.	NA		SIC Code;		
SECTION 2: Billin					
Сотрапу:	Thyssen Krupp Eleva				
Address:	7240 Brittmoore Suit				
City, State, Zip:	Houston, TX 77041			·	
Contact:	Ed Tamborello	Title:	_Manager		
Phone No:	713-849-2191	Fax No	p: 713-896-4668		
SECTION 3: Gener	yator Shaft Fluids	e Waste ing Waste: <u>Collection c</u>	of water and oil grad	uct feary of	eveter shaft
netanea neactibilos	or Process General	the waster concention of	n water and on bind	uci iroin ci	evaich share
Physical State:	⊠ Liquid □ Solid	Sludge Filter Cake	Powder Combination	n .	
Color: brown, grey		Odor: <u>oil like</u>			
Specific Gravity (wa	ter=1): <u>.98</u>	Density: <u>8</u> lbs/gal			
Layers:	Single-phase	Multi-phas	e .		
Container Type:	☐ Drum	☐ Tote	Truck	\boxtimes	Other (explain)
Container Size:			***		Vac Box
Frequency:	Weekly	Monthly	Quarterly	×	Yearly
Number of Units (co	_ ,	Other:			
Texas State Waste C		-Recyclable Material			
Texas State Waste C	.N/				
Proper U.S. DOT Sh	ipping Name:	Non-RCRA. Non	-DOT Regulated Ma	terial .	·
Class: NA	UNIN	A: NA	PC; NA		RQ: NA
		Benetive Sulfider	Reactive C	vanidae	Solids
Flash Point	pH	Reactive Sulfides	Oing/!	Y # ILIUG	0-15%
<u>>140</u>	neutral	Omg/l		NI	ickel
Oil&Grease	TOC	Zinc	Copper		ner/i

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units or %	
The waste consists of the following materials	Ranges are acceptable		
Oil	1-10	%	
Water	90-99	%	
Clay and dirt	1-15	%	
	and the second s	- Î	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level \underline{D}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Chlor-D-Tect upon arrival

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	<u>X</u>
Corresivity:	X
Ignitability:	<u>X</u>

SECTION 9: Generator's Certification

The information contained herein is based on energy generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Date: 1-3407
Printed Name/Title: Richard Roof	P chief Ensineer
CES USE ONLY (DO NO) WRITE IN THIS SPACE) Compliance Officer: Political Though Date: 2-1-07 Approved Rejected Approval Number: 2035	Additional Information: 35 4/600 00 100/40 Trans out hower 25000/ Trip Republic - It necessary

2

TOTAL P.03

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? YES ⊠ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	num: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Tim Grebe

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2036

Generator: Drilling Controls

Address: 8909 Jackrabbit Road

Houston, TX 77095

Waste Information

Name of Waste: Non-hazardous waste liquids

TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

A 5% combined mixture of Oceanic EPF and Erifon systems cleaner and 95% water used clean unused hydraulic oil out of a carbon steel tank.

Color: varies

Odor: none

pH: 3-9

Physical State:

Incompatibilities: oxidizers, acids
Safety Related Data/Special Handling:

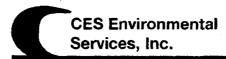
Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

DB . 10 or 150.00 mini



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene					<i>.</i>
Company:	Drilling Controls				
Address:	8909 Jackrabbit R				
City, State, Zip:	Houston, TX 770	95			
Contact:	Time Grebe		Title:	HSE Manager	
Phone No:	281-855-3200		Fax No:	281-656-3203	
24/hr Phone:	936-522-6997				
U.S. EPA I.D. No:	TXCESQG	······································			
State I.D.	CESQG		SIC Code:	<u>NA</u>	
SECTION 2: Billin	g Information – 🔀	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:	`		
Phone No:		Fax No	o:		
SECTION 3: General	ral Description of th	ne Waste			
Name of Waste: No Detailed Description water used to clean u	n of Process Genera	Liquids ting Waste: a 5% combi tt of a carbon steel tank.	ned mixture of Ocea	nic EPF and Erifon S	ystems Cleaner and 95
Physical State:	□ Liquid □ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combination	n	
Color: Varies		Odor: None			
Specific Gravity (wa	ater=1): <u>1-1.5</u>	Density: 8.5 lbs/gal			
Layers:	Single-phase	Multi-phas	e .		
Container Type:	☐ Drum	Tote	⊠ Truck	Other (e	xplain)
Container Size:			1000 G	(_F)
Container Size.			1000 G	-	
Frequency:	☐ Weekly	Monthly	☑ Quarterly	☐ Yearly	
• •			My Sameria		
Number of Units (co Texas State Waste C		Other: ESQ2191			
Proper U.S. DOT Sh			DOT Regulated Wa	ste Liquids	
Class: Na	UN/N				Q: Na
Ciass. 1Va	UN/IN	na na	PG: Na	K	V. 14a
Flash Point	nH	Reactive Sulfides	Reactive Cy	vanides Solid	ls
¥200	pH 3-9	Omg/I	Omg/i	0-3%	
Oil&Grease		Zinc	Copper	Nickel	
>1500mg/l	TQC	Omg/I	Oma/I	Omg/I	•

SECTION 4: Physical and Chemical Date

COMPONENTS TABLE	Contratration	Units	
The waste remains of the following materials	Ranges are acceptable	or %	
Oceanic EPF	3	1%	
Eriton Systems Cleaner	2	1%	
Water	93-95	16	
Oil (Unused Hydrolic)	0-2	76	
		1	
		1	

SECTION			

Level D.PPE

SECTION 6: Attached Supporting Documents

Trini att eneimmente motet	r ever board i	ອ້ອງ ໄດ້ເຄື່ອເຄືອຍເຄດ	e ie iyn jeity y	e bould of the Au	are abbasani lancin	W	
Trisi ini emeinnicht? moist	more	MISDS					
SECTION 1. Land	L.Mal.						

SECTION 8: Generalor's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERPORMED based upon the following generator knowledge:

TCLP Metals:	2
TCLP Velotiles:	
TCLP Semi-Velatiles:	2
Reactivity:	Ž
Corresivity:	2
ignizability:	Ž

SECTION 9: Generator's Certification

The information command herein is based on 🖾 generator knowledge and/or 🗌 analytical data. I hereby certify that the above and
attached description is complete and occurate to the best of my knowledge and ability to determine that no destinante or willful
omissions of composition properties must and that all lytiques or suspected hazards have been disclosed. I certify that the materials
omissions of composition properties exist and that all lysquin or suspected hazards have been disclosed. I certify that the materials tested are representative of all infectals described by this pleasants.

Vinipolitical Sitiation	- Villa	<u> </u>	July	De	te: 01/31/07	 	
			<i></i>			 -	
Limito Lamo, tine:	The fifthe/HSF Manag	er				 	 <i>.</i>

CKS USE ONLY IBU MUT	WHITE IN THIS IPACE		
Compliance Officer	Robbenk	Though	Additional Information. OL
Date: 2-2-0"	Appen	1	\$0.10/gd 24 \$150 min
Approval Number 2	2036	•	

* Request thing from Levery

JF	AN-31-2007 11:42 CES Environmental Svcs.
	SECTION III: Wave Receipt Classification Under 40 CFR 437
1	Is this material a wastewater or woodewater studge? 🗵 YES 🔲 NO
1	If 'Yes', complete this section
,	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY. GO TO THE NEXT PAGE.
M	thelt Subcetroors: Subport A
	Speni electroplating baths and/or studges Metal finalising rine; water and studges Chromate wastes Air pollution dozeni blow down water and studges Speni anodising solutions Incineration wastewaters Waste liquid mercury Cyanide-contaming wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, mining, and surface preparation solutions from electroplating or phosphating operations Vibratory deturning wastewater Attentive and acid solutions used to clean metal parts or equipment
O	th Subcommerce: Subport B
	Used oils Oil-water emulsions or mistures Lubricants Coolants Cuntaminutal groundwater clean-up from petroloum sources Used petroloum products Oil spill clean-up Bilge water Repartment waters from petroloum sources Interceptor waters Off-specification fiels Underground storage remediation waste Think clean-out from patroloums or oily sources Non-contact used glycols Aqueous and oil mistures from parts cleaning operations Wassewater from oil bearing paint washes
<u>Gr</u>	remier Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Columniate master

Wastewater from adhesives and/or epostes formulation Wastewater from organic chemical product operations Tenk clean-out from organic, non-petroleum sources

(1)	If the waste custains oil and greate at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains all and grease less than 100 mg/L, and has any of the pollutants tisted below in concontrations in excess of the values listed below. One waste should be elassified in the metals subcategory

Cadmium. 0.2 mg/L Chromium. 8.9 mg/L Copper. 4.9 mg/L Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of endmium, climbing, copper, or nuckel above any of the values limed above, the waste should be classified in the organics subcategory.

Metals Subcategory

Orls Subcategory

Organics Subcutegory

SECTION 11: Additional Instructions

If you cannot desermine the correct subcasegory in Section 9 and you did not farmish data for the concentration of Cudmium, Chromium, Corper, Niclosi, and Oil and Grease. CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

TOTAL P.05



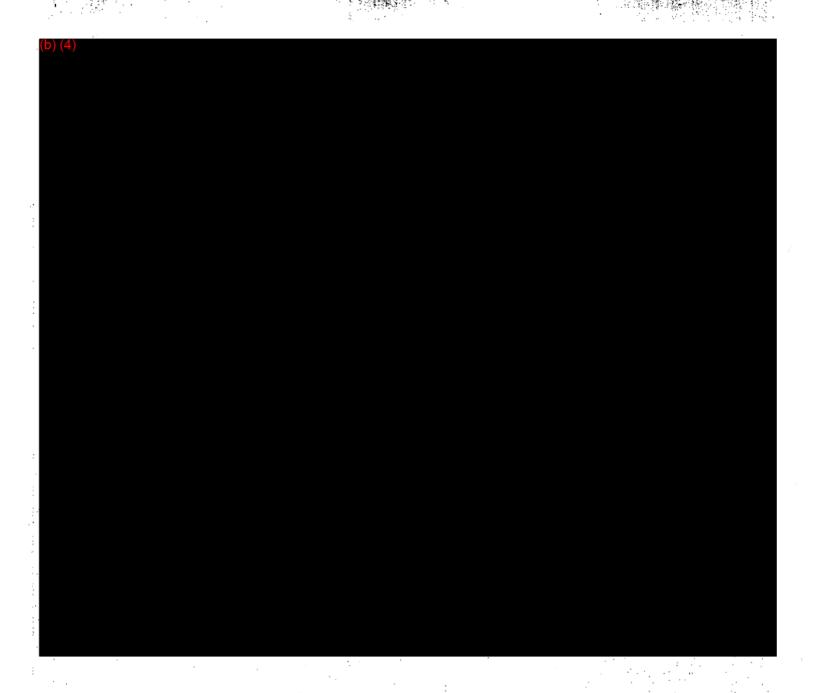
NELCO GRAY CONTROLS Fax:2816563203

NELCO CBUL CONTROLS Fax:2816563203

NELCO CBUL CONTROLS Fax:2816563203

NELCO CUULKOLS FAX:2816563203

NELCO CBUL CONTROLS Fax:2816563203



NELCO CESUL CONLIKORS L9X:5876262502



245 Freight Street - Waterbury, CT 06702 Telephone (203)575-5700 - Fax (203)575-5630



2%

MATERIAL SAFETY DATA SHEET

PRODUCT

ERIFON SYSTEMS CLEANER

ISSUE DATE

10/05/2006

PRODUCT CODE 174918

24 Hour Emergency Number: CHEMTREC(1-800-424-9300)

PM 7201-9000

SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME

ERIFON SYSTEMS CLEANER

CHEMICAL FAMILY

ORGANIC MIXTURE

NFPA RATING:

2 Health

Reactivity

Flammability Other

(0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = High and 4 = Extreme)

SECTION 2

HAZARDOUS INGREDIENTS

		1.7597	
1,3,5-TRIS(HYDROXYETHYL)-S- TRIAZINE	4719-04-4	50 - 60	
SURFACTANT, NONIONIC		1 - 10	·

SECTION 3	PHYSICAL DATA		
DENSITY	9.424 LB/GL	FORM	Liquid
FREEZING POINT	Not determined	FLASH POINT	266 °F 130 ℃
BOILING POINT	212 °F 100 °C	MELTING POIN	NT -28 °F -33 °C
BIOLOGICAL OXYGE	EN DEMAND (BOD)	Not determined	
COLOR/ODOR		Yellow/mild	

P. 02

9:49 St 2007 15 nat

Fax:2816563203

VETCO GRAY CONTROLS

*	SECTION 4	FIRE AND	EXF	PLOSION	DATA

FLASH POINT 266 F 130 °C

EXTINGUISHING MEDIA Dry chemical, carbon dioxide, foam, water. As appropriate for

surrounding material.

UNUSUAL FIRE & EXPLOSION When heated to decomposition, toxic furnes are emitted. Wear

HAZARDS self-contained breathing apparatus/profective clothing.

SECTION 5	FIRST AID DATA
EYES	Flush with water for 15 minutes. Obtain medical aid IMMEDIATELY.
SKIN	Wash contaminated skin with large amounts of soap and water. Remove and isolate contaminated clothing. Obtain medical aid immediately.
INGESTION	Rinse mouth with water. Give water to drink. Do not induce vomiting. Obtain medical aid immediately.
INHALATION	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical ald immediately.
CAUTION	If unconscious - having trouble breathing - or in convulsions do not induce vomiting or nive water

Always clean contaminated clothing and gear prior to reuse. NEVER administer anything to an unconscious person.

SECTION 6 HEALTH EFFECTS DATA

Primary Route(s) of Exposure: Eye, Skin, inhalation and ingestion

EYE CONTACT (ACUTE) Direct eye contact will cause severe irritation.

EYE CONTACT (CHRONIC) No data available.

SKIN CONTACT (ACUTE) May cause irritation to the skin.

SKIN CONTACT (CHRONIC) There are no known chronic effects associated with this material.

INGESTION (ACUTE) May irritate mouth and gastrointestinal system. May cause nausea, vomiting, diarrhea.

INGESTION (CHRONIC) No data available.

INHALATION (ACUTE) Irritation of nose/mouth/throat and respiratory system may occur.

INHALATION (CHRONIC) No data available.

SECTION 7

PERSONAL PROTECTIVE DATA

RESPIRATORY PROTECTION

If there is a value for OSHA-PEL/ACGIH-TLV in section 13 and it is exceeded, it is recommended that a NiOSH approved respirator be used. Consult with your industrial Hygienist for appropriate cartridge selection and use. See 29CFR 1910.134 for details. For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a positive pressure, self contained breathing apparatus is recommended.

VENTILATION

General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, dusts, mists or

aerosols may be released.

PROTECTIVE EQUIPMENT

Chemically resistant apron, boots and gloves. Recommended material of construction: PVC, rubber, neoprene. The availability of a safety shower is recommended. If clothing is contaminated, remove clothing and thoroughly wash the affected body area. Launder contaminated clothing before reuse. Wear safety glasses or splash proof goggles, face shield. The availability of an eye wash is recommended.

These are general recommendations to provide a safe level of protection for various material handling conditions. Consult with your Safety Professional/Industrial Hygienist for specific information regarding applications at your facility

These are general recommendations to provide a safe level of protection for various material handling conditions. Consult with your Safety Professional/Industrial Hygienist for specific information regarding applications at your facility.

SECTION 8

TOXICOLOGY DATA

TOXICITY STUDIES:

Toxicity studies have not been conducted on this product. However toxicity literature surveys have been conducted on the ingredient(s) in section 2. The results are as follows:

ACUTE ORAL TOXICITY

No data available.

ACUTE DERMAL TOXICITY

No data available.

ACUTE RESPIRATORY TOXICITY

No data available.

OTHER TOXICOLOGICAL

EFFECTS

Unknown

Listed as auspected carcinogen by:

IARC

NO

NTP

NO ·

OSHA

NO

SECTION 9

REACTIVITY DATA

INCOMPATABILITY

Acids, oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon and nitrogen, formaldehyde

STABILITY

Stable

HAZARDOUS POLYMERIZATION

No hazardous polymerization.

SECTION 10

SPILLS & DISPOSAL DATA

in case of Transportation Accidents, call the following 24 hour telephone number: CHEMTREC (1-800-424-9300)

SPILL CONTROL
AND RECOVERY

Soak up into inert absorbent material. DO NOT use sawdust or other organic materials. Collect for disposal in plastic recovery drum. Flush residue with

plenty of water to chemical drain.

DISPOSAL

Dispose of by an approved method at an approved secure facility.

Please ensure that packaging, including drums, are disposed of in a responsible manner and in accordance with federal, and your state's, solid/hazardous waste regulations. You may want to refer to www.reuseablepackaging.org for further disposal guidance.

Due to more restrictive waste disposal regulations, NEVER wastetreat or dispose of material until you check your appropriate local, state, & federal regulations for requirements. Spills may REQUIRE notification to FEDERAL, STATE and/or LOCAL AUTHORITIES.

SECTION 11

TRANSPORTATION DATA

PROPER SHIPPING NAME

NON REGULATED

HAZARD CLASS / SUBSIDIARY CLASS

UN/NA#

REPORTABLE QUANTITY (RQ)

Pkg Group

PROPER SHIPPING NAME

CLEANING COMPOUND NON REGULATED

HAZARD CLASS / SUBSIDIARY CLASS -

UN/NA#

Pkg Group

PROPER SHIPPING NAME

CLEANING COMPOUND NON REGULATED

HAZARD CLASS / SUBSIDIARY CLASS

UN/NA#

Pkg Group

EXPORT LICENSE MAY BE REQUIRED TO EXPORT THIS PRODUCT

SECTION 12

GENERAL STORAGE DATA

STORAGE TEMPERATURE

Maximum:

Minimum:

STORAGE INFORMATION

Store in a cool, dry area.

SECTION 13

REGULATORY DATA

The following regulations apply to this product.

20.9

09:6 2007 IS uen

Fax:2816563203

VETCO GRAY CONTROLS

FEDERAL REGULATIONS

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

Based on our evaluation, the following ingredients in this product are subject to this rule:

		4		
1,3,5-TRIS(HYDROXYETHYL)	-S-TRIAZINE			
SURFACTANT, NONIONIC			,	

CERCLA/SUPERFUND, 40 CFR 117, 302/304: Notification of spills of this product is not required

SARA/SUPERFUND AMENDMENTS & REAUTHORIZATION ACT OF 1986 (TITLE III)

Sections 302, 311, 312 and 313

Section 302: Extremely Hazardous Substances

This product does not contain ingredient(s) listed in APPENDIX A of 40 CFR 355.

SECTIONS 311 & 312 ~ M.S.D.S. REQUIREMENTS (40 CRF 370)

This product contains ingredient(s) that may require reporting under Hazardous Chemical Inventory Reporting

X immediate (Acute) health hazard	Sudden release of pressure hazard
Delayed (Chronic) health hazard	Reactive Hazard
Elm Hazard	

SECTION 313 - LIST OF TOXIC CHEMICALS (40 CFR 372)

This product does not contain ingredient(s) listed under 40 CFR 372.65

TOXIC SUBSTANCE CONTROL ACT (TSCA)

The chemical Ingredient(s) in this product are listed on the 8(b) Inventory List (40 CFR 710).

RESOURCE CONSERVATION & RECOVERY ACT (RCRA), 40 CRF 261 SUBPARTS C & D

Please refer to section 10, disposal information for pertinent data.

PRIORITY POLLUTANTS

This product does not contain ingredient(s) on the list of Clean Water Act Priority Pollutants.

OSHA PROCESS SAFETY (1910.119)

This product does not contain ingredient(s) listed in APPENDIX A of 29 CFR 1910.119 of Highly Hazardous Chemicals, Toxics, and Reactives of OSHA process safety management.

CLEAN AIR ACT

This product does not contain ingredient(s) listed on the Hazardous Air Pollutants of CAA 40 CFR 112(G).

OZONE DEPLETING SUBSTANCES

This product does not contain ingredient(s) listed on Ozone Depleting Substances of CAA 40 CFR 82.

STATE REGULATIONS

90.4 02:9

7002 IZ nat

Fax:2816563203

VETCO GRAY CONTROLS

CALIFORNIA PROPOSITION 65

This product does not contain ingredlent(s) listed on California Prop 65 suspected carcinogen/reproductive toxicant list.

MICHIGAN CRITICAL MATERIALS

This product does not contain ingredient(s) listed on the Michigan Critical Material Register.

The information listed above does not include all Federal, State, and International regulations. The regulations listed above may change from time to time; It is the users responsibility to keep advised of current regulatory requirements.

Prepared by MacDermid Safety & Regulatory Compliance Department, based upon publicly available reference information.

SECTION 14

USER NOTIFICATION

To the best of our showledge the information contributed herein to control. All chemicals may present unknown health features and should be used with causion. Although certain health sent deservined herein, se cannot guarantee that these are the only hazards which exist. Rind determination of existability of the chemical is the sone responsibility of the user. Users of any chemical equid existing thanestee that the conditions and methods of use session that the chemical is used eately. NO REPRESENTATIONS OR WARRANTER, ETTHER EXPRESED OR INFLEE, OF MERCHANTABAUTY, PITHERS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERE UNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.

Copyright 2004 MacDermid 203-575-5700. All rights reserved

70.9 02:9 7002 12 nat

NETCO GRAY CONTROLS Fax:2816563203



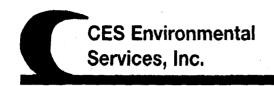
Drilling Controls, Inc. 8909 Jackrabbit Road Houston, TX 77095 Tel: 281 855 3200 Fax: 281 855 0973 www.drillingcontrols.com

Type 60™ Drilling Control Systems

Facsimile

To:	CES Environmental Servi	ces	Fax No.:	713-676-1676	· ·	
For Attn of:	Dan Bowman					
Ref. No.:			Date:	31 January 2007		
From:	Tim Grebe		Page 1 of:	12		
Subject:	MSDS					
cc:						
Dan,						
We have b	etween 900 and 100 vater.	00 galloons	of the atta	ched products n	nixed 5% con	n bined
Need totes		eb. 2. 2007.				
•	pumped out by Fri., F					
	pumped out by Fn., F					
Thank you,	pumped out by Fri., F					
Thank you,	pumped out by Fri., F					
	pumped out by Fri., F					
	pumped out by Fri., F					
	pumped out by Fri., F					

International Tubula, 2037



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Bill Lutz

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2037

Generator: International Tublar Service

Address: 7735 Miller Rd #3

Houston, TX 77049

Waste Information

Name of Waste: Spent oil filters TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Used oil filters

Color: various

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

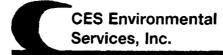
Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021

one: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com 2037

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Gener					
Company:	International Tube				
Address:	7735 Miller Road				
City, State, Zip: Contact:	Houston, TX 770 Bill Lutz	149	Title:	EH & S Mgr.	
Phone No:	281-452-3036		Fax No:	281-452-3055	
24/hr Phone:	CES-713-676-146	50	rax 190.	201-432-3000	
U.S. EPA I.D. No:	TXR000030072		•	έΛ	
State I.D.	85963		SIC Code:	NX	
SECTION 2: Billing Company: Address: City, State, Zip:	g Information – 🛛				
Contact: Phone No:		Title:			
Prone No:		Fax No:			
SECTION 3: Gener	al Description of th	e Waste			
Name of Waste: Spe Detailed Description		ting Waste: <u>Used Oil Filters</u>			
Physical State:	⊠ Liquid ⊠ Solid	Sludge Filter Cake	Powder Combination	n	
Color: various	(Odor: oil like			
Specific Gravity (wa	ter=1): <u>1.2</u>	Density: 11 lbs/gal			
Layers:	Single-phase	Multi-phase			
Container Type:	□ Drum	☐ Tote ☐	Truck	☐ Oti	ner (explain)
Container Size:	55 gal				· (cp)
Committee Side.	<u>55 35.</u>				
Frequency:	☐ Weekly	☐ Monthly ☒	Quarterly	☐ Yea	arly
Number of Units (cor		Other:			
Texas State Waste Co		A-Recyclable Material			
Proper U.S. DOT Shi	ipping Name:	Non-RCRA; Non-DO	Γ Regulated		
Class: NA	UN/N	A: NA	PG: NA	\	RQ: NA
Flash Point	рН	Reactive Sulfides	Reactive Cy	vanides	Solids
<u>>140</u>	neutral	<u>O</u> mg/l	<u>0</u> mg/l		98%
Oil&Grease	TOC		Copper	Nickel	
>1500mg/l] >1500mg/L	Omg/I	Omg/I	Omg/l	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Metal/paper element oil filters	98-100	%
Residue Oil	0-2	%
	·	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

1 mcl

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

Authorized Signature:

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document. Date: 2/2/17

Printed Name/Title: William C Lutz	QHre Mgr
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Ralhal Phays a Date: 2-2-07 Approved Rejected Approval Number: 2037	Additional Information: 35 mm REC

<u>SE</u>	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is t	his material a wastewater or wastewater sludge? YES NO
lf'	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
<u>Meta</u>	ls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Organ	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chror Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L I: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, cabove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Bill Lutz

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2038

Generator: International Tublar Service

Address: 7735 Miller Rd #3

Houston, TX 77049

Waste Information

Name of Waste: TPH contaminated absorbent and blasting grit

TCEQ Waste Code #: 05054891

Container Type:

Detailed Description of Process Generating Waste:

Clay absorbent material is used to clean up oil spills from equipment and machinery, also includes blasting grit that has come in contact with oil

Color: brown, black, grey

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com 2038

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information			
Company:	International Tub			
Address:	7735 Miller Road			
City, State, Zip:	Houston, TX 770	149		
Contact:	Bill Lutz		Title:	EH & S Mgr.
Phone No:	281-452-3036		Fax No:	281-452-3055
24/hr Phone:	CES-713-676-140	50		
U.S. EPA I.D. No:	TXR000030072 85963		- 816.6 4	1 N
State I.D.	83963		SIC Code:	NA
SECTION 2: Billin	g Information – 🕅	Same as Above		
Company:				
Address:	·			
City, State, Zip:				
Contact:		Title:		
Phone No:		Fax No:		
SECTION 3: General	ral Description of th	e Waste		
Detailed Description	of Process Genera	ting Waste: Clay absorbent has come in contact with oi		to clean up oil spills from equipment and
Physical State:	☐ Liquid ☑ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combination	on
Color: brown, black,	grey	Odor: <u>oil like</u>		
Specific Gravity (wa	nter=1): <u>1.3</u>	Density: 12 lbs/gal		
Layers:	Single-phase	☐ Multi-phase		
Container Type:	□ Drum	⊠ Tote	Truck	Other (explain)
Container Size:	<u>55 gal</u>	<u>1 yd</u>		
Frequency:	☐ Weekly	Monthly D	Quarterly	Yearly
Number of Units (co			- • •	—
Texas State Waste C		5054891		
Proper U.S. DOT Sh	ipping Name:	Non-RCRA; Non-De	OT Regulated	
Class: NA	UN/N	A: NA	PG: N	RQ: NA
				
Flash Point	рН	Reactive Sulfides	Reactive C	Cyanides Solids
>140	neutral	Omg/I	Omg/l	100%
Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/L	>1500mg/L	Omg/l	Omg/l	Omg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Clay Absorbent	50-95	1%
Sand Blast and Black Beauty Grit	50-95	%
Dirt	1-10	%
Oil as used oil, hydraulic oil, diesel oil	1-10	%
NOTE: Set up for road base recycling		

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:		
TCLP Volatiles:	<u>BTEX</u>	
TCLP Semi-Volatiles:	X	
Reactivity:	X	
Corrosivity:	X	
Ignitability:	$\overline{\mathbf{x}}$	

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Wh	Date: <u>2/</u> 2/07
Printed Name/Title: William C Lutz	QHS = Mg R
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Robbert Approved Rejected	Additional Information: 50°10m 100°1846
Approval Number: 2038	RECYCLE for readbase

<u>SI</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
ls	this material a wastewater or wastewater sludge? YES NO
lf	'Yes', complete this section.
PI	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	uls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils .	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excervalues listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd

Houston, TX 77021

Phone: (713) 676-1460

Fax:

7136761676

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

7010628

Client Sample ID:

Absorbent (TPH Cont. & Blast Grit)

Extended ID:

ITS - Clay Absorb.

Sample Collect Date: 1/26/2007 @ 8:30:00 AM.

Sample Type:

Grab

Sample Receipt Date: 1/26/2007 @ 10:15:00 AM

Test Group / Method					
TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	1/29/2007 / 11;1:2 AM
Barium	0.0005	100	0.699	mg/L	1/29/2007 / 11:1:2 AM
Cadmium	0.002	1	< 0.002	mg/L	1/29/2007 / 11:1:2 AM
Chromium	0.002	5	< 0.002	mg/L	1/29/2007 / 11:12 AM
Lead	0.005	5	< 0.005	mg/L	1/29/2007 / 11:12 AM
Selenium	0.024	1	< 0.024	mg/L	1/29/2007 / 11:12 AM
Silver	0,002	5	< 0.002	mg/L	1/29/2007 / 11:12 AM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TFR Date / Time
Mercury	0.0002	0.2	0.0002	mg/L	1/29/2007 / 9:47 PM
BTEX Method: SW-846 8021B	MDL		Result	Units	Analyst: HDG Date / Time
Benzene	0.5		< 0.5	mg/kg	1/26/2007 / 8:42 PM
Toluene	0.5		2.6	mg/kg	1/26/2007 / 8:42 PM
Ethyl benzene	0.5		9.9	mg/kg	1/26/2007 / 8:42 PM
M+P-Xylene	0.5		35.1	mg/kg	1/26/2007 / 8:42 PM
o-Xylene	0.5		22.9	mg/kg	1/26/2007 / 8:42 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Tuesday, January 30, 2007

Date

Report Date: 30-Jan-07

Page ' of 1

7010628

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1,32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2,90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.C
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	STD %REC	
Benzene		< 0.005	90.8	91.0	0.22	89.6	
Toluene		< 0.005	100.0	101.0	1.00	98.9	
Ethylbenzene		< 0.005	9 9.8	104.0	4.12	99.7	
m+p Xylene		< 0.005	102.0	112.0	9.35	110.3	
o-Xylene		< 0.005	97.3	108.0	10.42	103.2	

SURROGATE SPIKE RECOVERY FOR BTEX	% REC
4-Bromofluorobenzene	103.1

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank
MDL=Minimum Detection Limit

MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery
RL=Regulatory Limit

Signature: Holland D. Gilmore / Laboratory Director

January 30, 2007

EPAHO105001256

COMPANY NAME: (BILL TO:) In Yernath	inal 745	ukar			_	ME	S	•	CHAI	n of	CUS	TODY	1-800-771-4MES (281) 476-4534
COMPANY ADDRESS:			·		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Mercu 913 Hw	ry E1	nvirons • Deer P	nenta ark, TX	al Sei 77536	rvice	s	Fax (281)-476-4406
CATY	Braget	NTE	ZIP .			PAI		ERS FOR			,	/ /	REMARKS
CONTACT PERSON'S PHONE: 213-041	7573	Z FAX #: _			_4				/ /	/ /		AMVERS	TURNAROUND TIME
YOUR PROJECT NO: YOUR P.O. W: PROJECT ADDRESS: YOUR PROJECT NO: YOUR PROJECT NO: YOUR PROJECT NO: YOUR PROJECT NO:	ITS	YOUR PR	ASSOC	E: ≰.				//			NUMBER OF COM	PRESERVA TONS	DETECTION LIMITS SPECIAL LIMITS REQUIRED YOU NO
YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATA	ix /	B	1				12/2	PAR	Please circle one, if Yes, please describe below or include separate
ASSONSTINT (TPHONT)	6	12607	8:30	Soli	1 ~						9	·	sheet detailing requirements.
ASSONSTINT (TPHCONT) + DIANT Grit													
												_	
													1700
										1			
PERSON TAKING SAMPLE SIGNATURE (8 Print Name) a. Gary Bruch man 7	<i>'</i>	y Pa			REUNOUISHET (Signature)	BY:	k	······	7	260	TIME	S IN	CEIVED BY:
RELINQUISHED BY Signature		RECEIVED (Signature)	BY:		REUNQUISHEL (Signature)	VEV:			DA	ITE	TIME	RE	CEIVED BY:
	PPED BY:			OURIER igrature)				BECEIVE	FOR ME		Di	——— I Л	DATE TIME
Sample Remainder Disposal					Request L	ab To Di	эрове О	All Sample	Remain	ders	UV		
BReturn Sample Remainder To Client Vie					(Signature)		A					Date)	



GENERATOR NOTIFICATION FORM FOR RECYCLING HAZARDOUS OR INDUSTRIAL WASTE

Use this form to comply with requirements found in 30 TAC 335.6 to notify the TCEQ of hazardous or industrial solid waste stream recycling activities by your facility. This form is not appropriate for notification of wastes which you receive and recycle. Receivers should use Form TCEQ-0524.

1. If the material is already on your the material is not on your NOR, plea	Notice of Registration (NOR se add the waste code to you of Texas Environmental Electric TCEQ 0002.	a), please indicate the Texas waste code below. If r NOR. If you are a large Quantity Generator, tronic Reporting System. Small quantity generators
 Update NOR to reflect any on-sit 1002. If the storage unit is already on 	e storage of the material to b your facility's NOR, indicate	e recycled using either STEERS or Form TCEQ- the unit sequence number and do not attach Form
CEQ-0002. If no storage occurs, skip JNIT SEQUENCE NUMBER:		
3. DESCRIBE THE RE	CYCLING PROCESS	·
A. Will the material be rec	ycled On-site?	Off-site?
B. List on-site units(s) whe	re waste is recycled: _/	
C. Describe the recycling n	nethod:	
□ Solvent Recovery	☐ Feedstock/Ingredient	□ Asphalt Batching
□ Metals Recovery	□ Compost*	□ Alternate Daily Cover
□ Oil Recovery*	□ Smelting	□ Soil Amendment*
□ Energy Recovery*	□ Fuel Blending*	□ Fertilizer*
□ Catalyst Recovery	□ Other*	□ Container Reconditioning*
☐ Acid Regeneration	Road Base*	
container reconditioning, feedst	ock/ingredient, compost, r	recovery, energy recovery, fuel blending, oad base, soil amendment, fertilizer and seed as Road 13450 material entar 5000 ces

TCEQ-0525 (Rev.1/2005)

TCEQ ID (if registered): 30900 Telephone Number: 713-676-196	
Please note that deed recordation as outlined in Title 30 Texas (\$)335.5 is not required for the legitimate reuse/recycling of madditional information on recycling, refer to 30 TAC §335.24 o	aterials, even if land applied. For
Please sign each form submitted or you may submit a cover letter ther forms you may have completed as part of this notification. Information necessary to completely describe the recycling process.	Please attach any supplemental
authorized Representative:	
Vame: Telephignature: Date:	ione Number:
ignature: Date:	
Return this form to: TCEQ I&H Waste Permits Section, Waste Permits Texas 78711-3087.	Division, MC130, P.O. Box 13087, Austin,
FOR TCEQ USE O	NLY
Acknowledgment of Recycling	Notification
ycled are found at Title 30 TAC Section §335.24. As a reminder, your t	facility is responsible for insuring that:
The subject wastes(s) is/are managed in accordance with §335.4 (Ge Water Code; and Should any changes occur or additional information come to light co (B) the process by which the waste(s) is/are generated, (C) the mann including recycling) or (D) any other information referenced in §335 is to be immediately provided to the TCEQ.	ncerning: (A) the composition of the waste(s) are in which the waste(s) is/are managed
The subject wastes(s) is/are managed in accordance with §335.4 (Ge Water Code; and Should any changes occur or additional information come to light co (B) the process by which the waste(s) is/are generated, (C) the mann including recycling) or (D) any other information referenced in §335 is to be immediately provided to the TCEQ. In notification has been forwarded to the Industrial Hazardous Waste Section of Record Services.	ncerning: (A) the composition of the waste(s) are in which the waste(s) is/are managed
The subject wastes(s) is/are managed in accordance with §335.4 (Ge Water Code; and Should any changes occur or additional information come to light co (B) the process by which the waste(s) is/are generated, (C) the mann including recycling) or (D) any other information referenced in §335 is to be immediately provided to the TCEQ. In notification has been forwarded to the Industrial Hazardous Waste Section of Record Services. Title: Strial and Hazardous Waste Permits Section, MC 130 •Waste Permits Div.	ncerning: (A) the composition of the waste(s) ter in which the waste(s) is/are managed 5.6, this information PLEASE NOTE: A copy of your recycling notification must also be sent to the TCEQ Regional Office listed below. If you have not sent a
The subject wastes(s) is/are managed in accordance with §335.4 (Ge Water Code; and Should any changes occur or additional information come to light co (B) the process by which the waste(s) is/are generated, (C) the mann including recycling) or (D) any other information referenced in §335 is to be immediately provided to the TCEQ. In notification has been forwarded to the Industrial Hazardous Waste Section of Record Services.	ncerning: (A) the composition of the waste(s) ter in which the waste(s) is/are managed 5.6, this information PLEASE NOTE: A copy of your recycling notification must also be sent to the TCEQ Regional Office listed below. If you have not sent a copy of this notification, you may do so by mailing this to:
The subject wastes(s) is/are managed in accordance with §335.4 (Ge Water Code; and Should any changes occur or additional information come to light co (B) the process by which the waste(s) is/are generated, (C) the mann including recycling) or (D) any other information referenced in §335 is to be immediately provided to the TCEQ. It notification has been forwarded to the Industrial Hazardous Waste Section of Record Services. Title: Title: Strial and Hazardous Waste Permits Section, MC 130 •Waste Permits Div.	ncerning: (A) the composition of the waste(s) ter in which the waste(s) is/are managed 5.6, this information PLEASE NOTE: A copy of your recycling notification must also be sent to the TCEQ Regional Office listed below. If you have not sent a copy of this notification, you may do so by mailing this to: TCEQ Region, Office of the Waste Program
The subject wastes(s) is/are managed in accordance with §335.4 (Ge Water Code; and Should any changes occur or additional information come to light co (B) the process by which the waste(s) is/are generated, (C) the mann including recycling) or (D) any other information referenced in §335 is to be immediately provided to the TCEQ. In notification has been forwarded to the Industrial Hazardous Waste Section of Record Services. Title: Strial and Hazardous Waste Permits Section, MC 130 •Waste Permits Div.	ncerning: (A) the composition of the waste(s) ter in which the waste(s) is/are managed 5.6, this information PLEASE NOTE: A copy of your recycling notification must also be sent to the TCEQ Regional Office listed below. If you have not sent a copy of this notification, you may do so by mailing this to: TCEQ Region, Office of the Waste Program
The subject wastes(s) is/are managed in accordance with §335.4 (Ge Water Code; and Should any changes occur or additional information come to light co (B) the process by which the waste(s) is/are generated, (C) the mann including recycling) or (D) any other information referenced in §332 is to be immediately provided to the TCEQ. r notification has been forwarded to the Industrial Hazardous Waste Section of Record Services. **Title:** Strial and Hazardous Waste Permits Section, MC 130 *Waste Permits Div. Phone (512) 239-6412 * Fax (512) 239-6383	ncerning: (A) the composition of the waste(s) ter in which the waste(s) is/are managed 5.6, this information PLEASE NOTE: A copy of your recycling notification must also be sent to the TCEQ Regional Office listed below. If you have not sent a copy of this notification, you may do so by mailing this to: TCEQ Region, Office of the Waste Program
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E. If the material is recycled off-site, please provide the following information:

LABORATORY ANALYSIS REPORT



A & B Environmental Services, Inc. 10100 East Freeway, Suite 100 Houston, TX 77029

Report Date:

11/2/2005

Total No. Pages: 6

Client Project ID

international Tubular Sandblast & Soil

ProWaste Inc.

Attn: Blanche Huber P.O.Box 8148

Baytown, TX 77522

Client PO#:

Date Received: 10/26/2005 15:58

Collected by: Blanche

A & B Labs has analyzed the following samples . . .

Your Sample ID #1 Soil & Sandblast Job ID

75652-01

Thank you for choosing A & B Labs.

Date: 11-2-05

This report cannot be reproduced, except in full, without prior written permission of A & B Labs. Results shown relate only to the Items tested.

Phone: 713-453-6060

www.ablabs.com

LABORATORY TEST RESULTS

CLIENT:

A&B Job ID 75652

Date: 11/2/2005

ProWaste Inc.

PROJECT: International Tubular Sandblast & Soil

ATTN: Blanche Huber

Client Sample ID:

#1 Soil & Sandblast

Job Sample ID: 75652-01

Date Collected:

10/26/2005

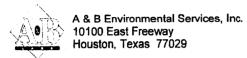
Sample Matrix: Soil

Time Collected:

9:00

Sample Loc./Other Info:

Test Method	Parameter/Test Description	Result	Units	D.F.	Rpt Limit	Reg Limit	Q	Date	Time	Analyst
SW-846 6010B	TCLP Metals									
	Arsenic	BRL	mg/L	1 1	0.1	1.8		11/01	18:14	SEC
	Barium	1.89	mg/L	1	0.1	100		11/01	18:14	SEC
	Cadmium	BRL	mg/L	1	0.1	0.5		11/01	18:14	SEC
	Chromium	BRL	mg/L	1	0.1	5		11/01	18:14	SEC
	Lead	BRL	mg/L	1	0.1	1.5		11/01	18:14	SEC
	Selenium	BRL	mg/L	1	0.5	1		11/01	18:14	SEC
	Silver	BRL	mg/L	1	0.1	5		11/01	18:14	SEC
SW-846 7470A	TCLP Mercury	1								
	Mercury	BRL	mg/L	1	0.002	0.2		10/28	16:10	SEC



QUALITY CONTROL CERTIFICATE

Report Date: 11/2/2005

Job ID: 75652

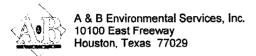
QCType: LCS and LCSD											
Parameter	Method	Spike Added	LCS Result	LCSD Resuit	LCS Rec %	LCSD Rec %	RPD	%RPD CLimits	%Rec CLimits	QCBatchID	Qual
Arsenic	SW-846 6010B	1	1.02	0.98	102	98	4.0	<25	80-120	Q103005mt2	
Barium	SW-846 6010B	1	0.96	0.93	96	93	3.2	<25	80-120	Q103005mt2	
Cadmium	SW-846 6010B	1	1.00	0.97	100	97	3.0	<25	80-120	Q103005mt2	}
Chromium	SW-846 6010B	1	0.98	0.95	98	95	3.1	<25	80-120	Q103005mt2	
Lead	SW-846 6010B	1	1.04	1.00	104	100	3.9	<25	80-120	Q103005mt2	
Selenium	SW-846 6010B	1	1.04	0.99	104	99	4.9	<25	80-120	Q103005mt2	
Silver	SW-846 6010B	1	1.12	1.07	112	107	4.6	<25	80-120	Q103005mt2	
Mercury	SW-846 7470A	0.005	0.005		100			<35	71-143	Q102805hgt	

QCType: MS and MSD													
Parameter	Method	QCSapi Result	Spike Added	MS Result	MSD Result	MS %Rec	MSD %Rec	RPD	RPD CLimits	%Rec CLimits	QCBatchID	QC SampleID	Qual
Arsenic	SW-846 6010B	BRL	2	1.91	1.96	96	98	2.6	<30	45-138	Q103005mt2	75681-01	
Barium	SW-846 6010B	1.17	2	2.97	3.03	90	93	3.3	<25	39-135	Q103005mt2	75681-01	
Cadmium	SW-846 6010B	BRL	2	1.95	2.02	98	101	3.5	<25	56-125	Q103005mt2	75681-01	
Chromium	SW-846 6010B	BRL	2	1.88	1.90	94	95	1.1	<25	52-125	Q103005mt2	75681-01	
Lead	SW-846 6010B	BRL	2	1.99	2.04	100	102	2.5	<25	55-125	Q103005mt2	75681-01	
Selenium	SW-846 6010B	BRL	2	1.91	1.98	96	99	3.6	<25	18-137	Q103005mt2	75681-01	1
Silver	SW-846 6010B	BRL	2	2.20	2.24	110	112	1.8	<25	26-148	Q103005mt2	75681-01	
Mercury	SW-846 7470A	BRL	0.01	0.0106	0.0108	106	108	1.9	<35	61-175	Q102805hgt	75681-01	

QCType: Method Blank					75-00-5444-44			**************************************	
Parameter	Method	CAS#	Result	Units	D.F.	Rpt Limit	QCBatch ID	Qu	ıal
Arsenic	SW-846 6010B	7440-38-2	BRL	mg/L	1	0.1	Q103005mt2	TCLP Metals	\exists
Barium	SW-846 6010B	444-39-3	BRL	mg/L	1	0.1	Q103005mt2	TCLP Metals	

^{**} BRL-Below Reporting Limit

Page 1 of 2



QUALITY CONTROL CERTIFICATE

Report Date: 11/2/2005

Job ID: 75652

QCType: Method Blank	t		_						
Parameter	Method	CAS#	Result	Units	D.F.	Rpt Limi	t QCBatch ID		Qual
Cadmium	SW-846 6010B	7440-43-9	BRL	mg/L	1	0.1	Q103005mt2	TCLP Metals	
Chromium	SW-846 6010B	7440-47-3	BRL	mg/L	1	0.1	Q103005mt2	TCLP Metals	
Lead	SW-846 6010B	7439-92-1	BRL	mg/L	1	0.1	Q103005mt2	TCLP Metals	- }
Selenium	SW-846 6010B	7782-49-2	BRL	mg/L	1	0.5	Q103005mt2	TCLP Metals	- [
Silver	SW-846 6010B	7440-22-4	BRL	mg/L	1	0.1	Q103005mt2	TCLP Metals	1
Mercury	SW-846 7470A	7439-97-6	BRL	mg/L	1	0.002	Q102805hgt	TCLP Mercury	

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	1. REPORT		2. INVOIC	E TO:	4. Tumaround Time		
1643 Federal Road Houston, Texas 77015	Company: Trowast	و	Company:		Standard		
713-453-6060	AUGIOSS.	8148	Address: 50ml	ر	Rush		
713-453-6091 Fax	Bautour	NTY.			Super Rush		
A&B Lab ID#	Contact: 77523		Contact:	FOR LAB LISE ONLY			
75658	Phone: 200 Che	HUBER	Phone:	_ Sampling Fee: Hrs.			
5. Project # Int. Tub	Fax: 281- 43900	181	3. PO/SO #:		Equipment Rental Fee:		
6. Project Name / Location	Sandblo	167 14.	15. Preservatives		Preservative Codes		
International To	BUION & SOIL		16. Containers**		(for Item 15)		
7. Special Detection Limits	(1 4			H = Hydrochloric Acid		
		ta j.	**************************************		M = Monochloroscetic Acid		
8: Sampler's Name & Company	Sampler's Signature	Containers		////	N = Nitric Acid OH = Sodium Hydroxide		
rowate th	www.	12. 13. 0	17. Specific		S = Sulfuric Acid		
IABUSE 9. Sample 10. Sample ONLY 1D or No. Name	11. Collection	12. 13. 0	30 × 5		T = Sodium Thiosulfate		
LAB SAMPLE C		irab Matrix*			X = Other		
NO.	Date Time	Comp. Grab Met			18. REMARKS		
0/A191 #1 SOILE SON	1005 1026 9:00		V				
2							
3							
4							
5							
6					A STATE OF THE STA		
7							
8							
9							
10 DOOH (
20. RELINQUISHED BY		1. RECEIVED BY	20		9. KNOWN HAZARDS/COMMENTS		
1 Olgicho Huber)	10/3/6/05 215	Lemon !	- Felent	10/26/2 1915	Marin		
2 Semon I galo	K 10/26/05 1558	_ _ _	ne	10126105 1358	NONE		
3							
4							
22. METHOD OF SHIPMENT		ILL OF LADING / TRAC		A&B can	not accept verbal changes.		
*Matrix WW-Wastewater W-Water S-Soil **Container VOA-40 ml vial A/G-Amber of Gless1	SD-Solid L-Liquid A-Air Bag Liter 4 oz-8 oz glass wide mo		SL-Studge O-Oil OH-Other_ er	1	vritten changes to 713-453-6091		
LAB USE ONLY							
		·			·		



Phone: 713-453-6060

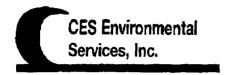
Sample Condition Checklist

Date: 10/26/2005

Com	pany Na	me: Pro	waste I	nc.			a na magastalahina mananangan penganangah sa ban			National Control of the Control of t		
	perature:				mple pH	· N/A					· · · · · · · · · · · · · · · · · · ·	
	pordia. 0.						k Points		***************************************			
											Yes	No
1.	Cooler S	Seal pre	sent an	d signed.		·						x
2.	Sample										×	
3.	If yes, ic	e in coo	ier				Balance and Balance Assessment of the Control of th				x	
4.	Sample	(s) recei	ved wit	h chain-o	f-custody	, ,		·			X	
5.	C-O-C s	igned a	nd date	d.							×	
6.	Sample	s) recei	ved wit	h signed	sample o	ustody	seal.			**************************************		x
7.	Sample	containe	ers arri	ed intact	(If No co	mmen	t)				×	
8.	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other
			团									
9.	Samples	s were re	eceived	in appro	priate co	ntainer	(s)		- At- 1-1		×	
10.	All samp	les wer	e tagge	d or labe	led.						x	
11.	Sample	ID label	s match	1 C-O-C I	D's.		name (1900) (1900) deleter eletter eletter eletter (1900) (1900) (1900)		a		x	
12.	Bottle co	ount on	C-O-C	matches	bottles fo	und.					x	
13.	Sample	volume	is suffic	cient for a	nalyses	reques	ted.				×	
14.	Samples	were re	eceived	within th	e hold tir	ne.					x	
15.	VOA via	ls comp	elety fil	led.						TO SHEET HERE AND ASSESSMENT OF THE PROPERTY OF	N/4	A
16.	Sample	accepte	d.		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1						×	
om	ments: In	clude a	ctions t	aken to r	esolve di	screpa	ncies/problen	n:	CONTRACTOR CONTRACTOR	Management & Color Colored		Michigan and a service of the servic
amı	ple cooling	g was init	tiated in	the field v	vith blue id	e.						
· · · · · · · · · · · · · · · · · · ·			COLUMN STATE OF STREET	and the second s								
000	ived by :	Storres	3	ways and the back of any		Che	ck in by/date	: Storre	s / 10/26	/2005		

www.ablabs.com

Date

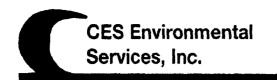


4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-2038								
Customer:	International Tul	blar Service							
Waste Generator:	International Tul	blar Service							
Waste Stream Name:	TPH contaminat	TPH contaminated absorbent and blasting grit							
Expiration Date:	2/2/2009	2/2/2009							
profiles on an annual basis, generation process of the a hazardous as per 40 CFR 2. Generator hereby certifies to	The purpose of this forementioned waste si 61.3.	tal Services, Inc. requires recertification of all approved waste form is to confirm that no changes have been made in the tream and that the waste stream remains classified as non-the aforementioned waste stream and the process generating the aforementioned CES Waste Approval Number: (Check							
No changes, please reco	rtify.	Analysis is NOT required for recertification.							
Please send new profile has changed.	as waste stream	The following analysis is required for recertification. Please sumbit results of the following tests.							
Customer Name La L Lat Signature	· Lutz	TCLP Metals TCLP Volatiles TCLP Semi-volatiles Reactivity Corrosivity							
ee		Ignitability							

International Tubules 2039 Proft 2039



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Bill Lutz

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2039

Generator: International Tublar Service

Address: 7735 Miller Rd #3

Houston, TX 77049

Waste Information

Name of Waste: Used oil TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste: Used oil from equipment and machinery oil changes

Color: black

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com 2034 TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISW

ISWR No: 30900

SECTION 1: Gener	eator Information							
Company:	International Tubula	ar Services						
Address:	7735 Miller Road #				····			
City, State, Zip:	Houston, TX 77049							
Contact:	Bill Lutz		Title:	EH & S Mgr.				
Phone No:	281-452-3036	~ ~~~	Fax No:	281-452-3055				
24/hr Phone:	CES-713-676-1460							
U.S. EPA I.D. No:	TXR000030072		-	ŧ.Λ				
State I.D.	85963		SIC Code:	NH				
			-					
SECTION 2: Billing	Information – ⊠ Sa	ime as Above						
Company:					<u> </u>			
Address:								
City, State, Zip:		TI'.			· · · · · · · · · · · · · · · · · · ·			
Contact:		Title:		······································				
Phone No:	· · · · · · · · · · · · · · · · · · ·	Fax No:			· · · · · · · · · · · · · · · · · · ·			
CECTION 2								
SECTION 3: Gener	al Description of the	<u>waste</u>						
Name of Waste: Use	d Oil							
		g Waste: Used oil from ed	quipment and m	achinery-oil chai	<u>iges</u>			
•								
Physical State:	∠ Liquid	☐ Sludge ☐] Powder					
	Solid	Filter Cake	☐ Combinatio	n ·				
								
Color: black	0	dor: oil like						
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·						
Specific Gravity (was	ter=1): .90	Density: 8 lbs/gal						
		:						
Layers:	Single-phase	Multi-phase						
•								
Container Type:	□ Drum	☐ Tote ⊠	Truck	☐ Otl	ner (explain)			
Container Size:	<u>55 gal</u>		15-20 K					
								
Engange	Module:	☐ Monthly ⊠	Quarterly	□ V ₂₄	arly			
Frequency:	☐ Weekly		Quarterly	Tea	atty			
Number of Units (co		Other:						
Texas State Waste Co	ode No: NA-	Recyclable Material						
Proper U.S. DOT Shi	ipping Name:	Non-RCRA; Non-DO	T Regulated					
Class: NA	UN/NA	: NA	PG: NA	\	RQ: NA			
	·							
Flash Point	pH	Reactive Sulfides	Reactive C	yanides	Solids			
>140		<u>O</u> mg/l	<u>0</u> mg/l		<u><3</u> %			
Oil&Grease	TOC	Zinc	Copper	Nickel				
>1500mg/l	>1500mg/l	Omg/I	Omg/I	0mg/l				

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Used Oil	50-100	%
Water	0-50	%
dirt	0-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level \underline{D}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. <u>Chlor-D-Tect</u>

SECTION 7: Incompatibilities

Please list all incompatibilities (if any); oxidizers

SECTION 8: Generator's Knowledge Documentation

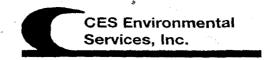
Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

more by	37
TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
lgnitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Wm (Lt	Date: 2/2/67
Printed Name/Title: William C Lutz	OHSE MgR.
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Lathan Thomas	25-co/120
Date: 2-Z-Û7 Approved Rejected	Additional Information: 35 Mm
Approval Number: 2039	68 Myr Trans



Sample Evaluation Form

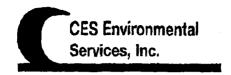
Sample ID # 00070 Date 125107
Please Complete This Section
Generator / Customer Name: This tuse (40)
Name or Type of Waste:
Process Generating Waste:
Number of Samples : Submitted By : Duy
Analysis To Be Completed: (b/c)-1-17-17-17-17-17-17-17-17-17-17-17-17-1
Turnaround Time :
Other:
(Lab Use Only)
Sample Results: PASSED CHLOR O TECT
Suggested Method of Treatment :
Suggested Price Range :
Sample Results Reported to
Test Completed By: Date: 01, 29,07 Time: 9:40 AM

SI	ECTION 10: Waste Receipt Classification Under 40 CFR 437
ls	this material a wastewater or wastewater sludge? YES NO
lf	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Mete	uls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils .	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L I: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, of above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
	· —1	Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:

Customer:

International Tublar Service

Waste Generator:

International Tublar Service

Waste Stream Name:

Used oil

Expiration Date:

2/2/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as nonhazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

William C. Lutz

Company/Title

2/27/09

Date

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

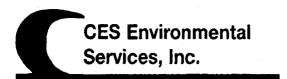
> TCLP Metals TCLP Volatiles

TCLP Semi-volatiles

Reactivity Corrosivity

Ignitability

International Tubulas 2010 Prof# 2040



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Bill Lutz

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2040

Generator: International Tublar Service

Address: 7735 Miller Rd #3

Houston, TX 77049

Waste Information

Name of Waste: TCRA empty containers

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Empty product containers

Color: various

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

http://www.cesenvironmental.com

Fax: (713) 676-1676



TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene				
Company:	International Tub			
Address:	7735 Miller Road	·		
City, State, Zip:	Houston, TX 77	049		
Contact:	Bill Lutz		Title:	EH & S Mgr.
Phone No:	281-452-3036		Fax No:	281-452-3055
24/hr Phone:	CES-713-676-14	60		
U.S. EPA I.D. No:	TXR000030072		<u> </u>	
State I.D.	85963		SIC Code:	NA
SECTION 2: Billin	ig Information – 🛛	Same as Above		
Company:				
Address:				
City, State, Zip:		-		
Contact:		Title:		
Phone No:		Fax No:		
-				
SECTION 3: Gene	ral Description of tl	ne Waste		
Name of Waste: <u>RC</u> Detailed Description		ers ting Waste: Empty produ	ct containers	
Physical State:	Liquid	☐ Sludge	☐ Powder	
·	⊠ Solid	☐ Filter Cake	Combination	n
	_ ~~			•
Color: various		Odor: none		
Specific Gravity (wa	nter=1): <u>1.3</u>	Density: 12 lbs/gal		
Layers:	Single-phase	Multi-phase		
Container Type:	⊠ Drum		Truck	Other (explain)
Container Size:	55 gal	1 yd		
container Size.	<u>oo gar</u>	<u> </u>		
Tracuanov.	☐ Weekly	☐ Monthly		☐ Voorby
Frequency:				Yearly
Number of Units (co	,			
Texas State Waste C	Code No: N	A-Recyclable Material		
Proper U.S. DOT Sh	nipping Name:	Non-RCRA; Non-I	DOT Regulated	
Class: NA	UN/N	IA: NA	PG: NA	RQ: NA
				
Flash Point	рН	Reactive Sulfides	Reactive C	yanides Solids
140	neutral	Omg/l	Omg/l	100%
Dil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	Oma/I	Oma/l	Omg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Plastic Drums	0-100	%
Metal Drums	0-100	%
Poly Totes	0-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level ${\bf D}$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Wm (w	Date: 2/2/07
Printed Name/Title: William C Lutz	QHS& MSR.
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	·
Compliance Officer: Robban Albany	Additional Information: 10°0 0m
Date: 2-2-07 Approved Rejected	REC 50° / rure
Approval Number: 2040	

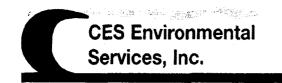
<u>s</u>	SECTION 10: Waste Receipt Classification Under 40 CFR 437	•		
Is	Is this material a wastewater or wastewater sludge? YES	⊠ NO		
lf	If 'Yes', complete this section.			
P	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROP	RIATE CATEGORY,	GO TO THE NEX	(T PAGE.
Met	etals Subcategory: Subpart A			
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electr Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipm		g operations	
<u>Oils</u>	s Subcategory: Subpart B		·	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes			
<u>Orga</u>	vanics Subcategory: Subpart C			
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sourc Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes	es		
	Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources			

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.				
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.				
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L 1: 37.5 mg/L				
(3)		If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.				
		Metals Subcategory				
		Oils Subcategory				
		Organics Subcategory				

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

International Tubul 2910, Proft = 2041



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Bill Lutz

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2041

Generator: International Tublar Service

Address: 7735 Miller Rd #3

Houston, TX 77049

Waste Information

Name of Waste: TPH contaminated rags, booms, and pads

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Rags, booms, and pads used to clean up oil spills

Color: various

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

WAR STATE

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com 2041

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information				
Company:	International Tubu	ılar Services			
Address:	7735 Miller Road	# 3			
City, State, Zip:	Houston, TX 770	49			
Contact:	Bill Lutz		Title:	EH & S Mgr.	
Phone No:	281-452-3036		Fax No:	281-452-3055	
24/hr Phone:	CES-713-676-146	0			
U.S. EPA I.D. No:	TXR000030072				
State I.D.	85963		SIC Code:	NA	
			-		
SECTION 2: Billing	Information – 🛛	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax No:			
					
SECTION 3: Genera	al Description of th	e Waste			
Name of Waste: TPI Detailed Description		s, booms and pads ing Waste: Rags, booms ar	nd pads used to c	lean up oil spills	
•					
Physical State:	Liquid 🗌	☐ Sludge	Powder		
	Solid Solid	Filter Cake	Combinatio	n	
			_		
Color: various	(Odor: oil like			
Specific Gravity (wat	ter=1): 1.1	Density: 9 lbs/gal			
Layers:	Single-phase ■ Sing	☐ Multi-phase			
Layers	Z single pinase	must phase			
Container Type:	□ Drum	⊠ Tote □	Truck	Other (explain)	
• •			_ riuck	Other (explains)	
Container Size:	<u>55 gal</u>	<u>1 yd</u>			
Frequency:	☐ Weekly	☐ Monthly ∑	Quarterly	☐ Yearly	
Number of Units (cor		Other:		•	
•	,				
Texas State Waste Co	ode No:	A-Recyclable Material			
Proper U.S. DOT Shi	pping Name:	Non-RCRA; Non-DO	OT Regulated		
Class: NA	UN/N	A: NA	PG: NA	RQ: NA	
	OTT				
Flash Point	рН	Reactive Sulfides	Reactive C		
<u>>140</u>	<u>neutral</u>	<u>0</u> mg/l	<u>O</u> mg/l	100%	
Oil&Grease	TOC	Zinc	Copper	Nickel	
>1500mg/I	<u>>1500</u> mg/l	<u>O</u> mg/l	<u>O</u> mg/l	<u>0</u> mg/i	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
rags, booms and pads	90-95	%
Oil as used oil, hydraulic oil, diesel oil	1-10	%
		
		T

eld Children

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level \underline{D}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

<u>Analysis from TPH contaminated absorbent</u>

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	
TCLP Volatiles:	BTEX
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Date: 2/2/07
	OHSE MSR.
Printed Name/Title:	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robben Than A	Additional Information: 50° 10m
Date: 2-2-07 Approved Rejected	REC 1000/1046
Approval Number: 2041	

				100 mm m	1771
<u>S</u> I	ECTION 10: Waste Receipt Classification Under 40 CFR 4	1 <u>37</u>	- 14. · · · · · · · · · · · · · · · · · · ·		
İs	this material a wastewater or wastewater sludge? YES	⊠ NO			
lf	'Yes', complete this section.				
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CAI	TEGORY, GO TO	O THE NEXT PA	iGE.
Met	als Subcategory: Subpart A		•		
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi		phosphating oper	rations	
<u>Oils</u>	Subcategory: Subpart B				
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum source Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	S			
<u>Orga</u>	nics Subcategory: Subpart C				
	Landfill leachate Contaminated groundwater clean-up from non-petroleum so Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	urces			

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460

7136761676

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

7010628

Client Sample ID:

Absorbent (TPH Cont. & Blast Grit)

Extended ID:

ITS - Clay Absorb.

Sample Collect Date: 1/26/2007 @ 8:30:00 AM

Sample Type:

Grab

Sample Receipt Date: 1/26/2007 @ 10:15:00 AM

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time	
Arsenic	0.014	5	< 0.014	mg/L	1/29/2007 / 11:1:2 AM	
Barium	0,0005	100	0.699	mg/L	1/29/2007 / 11:12 AM	
Cadmium	0.002	1	< 0.002	mg/L	1/29/2007 / 11:12 AM	
Chromium	0.002	5	< 0.002	mg/L	1/29/2007 / 11:12 AM	
Lead	0.005	5	< 0.005	mg/L	1/29/2007 / 11:12 AM	
Selenium	0.024	1	< 0.024	mg/L	1/29/2007 / 11:12 AM	
Silver	0.002	5	< 0.002	mg/L	1/29/2007 / 11:12 AM	
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst; TFR Date / Time	
Mercury	0.0002	0.2	0.0002	mg/L	1/29/2007 / 9:47 PM	
BTEX Method: SW-846 80218	MOL		Result	Units	Analyst: HDG Date / Time	
Benzene	0.5		< 0.5	mg/kg	1/26/2007 / 8:42 PM	
Toluene	0.5		2.6	mg/kg	1/26/2007 / 8:42 PM	
Ethyl benzene	0.5		9.9	mg/kg	1/26/2007 / 8:42 PM	
M+P-Xylene	0.5		35.1	mg/kg	1/26/2007 / 8:42 PM	
o-Xylene	0.5		22.9	mg/kg	1/26/2007 / 8:42 PM	

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Tuesday, January 30, 2007

Date

Report Date: 30-Jan-07

Page of 1

7010628

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65,2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.C
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	STD %REC	
Benzene Toluene Ethylbenzene m+p Xylene		< 0.005 < 0.005 < 0.005 < 0.005	90.8 100.0 99.8 102.0	91.0 101.0 104.0 112.0	0.22 1.00 4.12 9.35	89.6 98.9 99.7 110.3	
o-Xylene		< 0.005	97.3	108.0	10.42	103.2	

SURROGATE SPIKE RECOVERY FOR BTEX	 % REC
4-Bromofluorobenzene	103.1

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

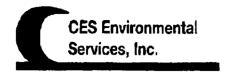
MS=Matrix Spike RPD=Relative Percent Deviation LCS=Laboratory Control Standard CCB=Continuing Calibration Blank MDL=Minimum Detection Limit

MSD=Matrix Spike Duplicate MB=Mathod Blank CCV=Continuing Calibration Verification %Rec=Percent Recovery RL=Regulatory Limit

Signature: Holland D. Gilmore / Laboratory Director January 30, 2007

PAGE

COMPANY NAME: (BILL TO:) IN YERNAL	himal Tu	sukar				MES	3	- (CHAI	n of	CUS	TODY	1-800-771-4MES (281) 476-4534
COMPANY ADDRESS:					1	Mercury 1913 Hwy. 2	Ent	ironm Deer Par	enta k, TX	l Sei 77536	rvice	'S	Fax (281)-476-4406
CONTACT PERSON'S NAME: Trains	Brauch	ATE	ZIP			PARAL		S FOR A		_	,	7 7	PEMARKS
CONTACT PERSON'S PHONE: 2/3-041	7573				4			/ /				ramens.	TURNAROUND TIME
YOUR PROJECT NO: YOUR P.O. W. F.D. J. T.S. PROJECT ADDRESS:	II	YOUR PR - (144	OJECT NAME: ASSOCI								NUMBER OF CO.	PRESERVATIONS	DETECTION LIMITS SPECIAL LIMITS REQUIRED Yes No Please circle one, if yes,
YOUR SAMPLE DESCRIPTION	GRAB/COMP.	1-26-07	TIME	MATRIX			+				a s		please describe below or include separate sheet detailing
ASSONSTINT (TPHCONT) + Dlant Grit	-	140/	8,70	Solid			+			-	1	 	requirements.
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PERSON TAKING SAMPLE SIGNATURE (a Print Name				AEU	NOUISHED	BY:			DAT	5/	TIME	RE	CEIVED BY:
RELINQUISHEDOT DA	TE TIME	RECEIVED (Signature)	BY:	REU	NOUISHED	VEV:			DAT	100	10 TIME		CETVED BY:
METHOD OF PAYMENT SHI	PPED BY:	[5.[1.61.61.4]	1001	JRIER (Signa	- C			DECEMEN :	O9 145	DV-		(54	(nature)
(SID	nabire)			reflure)				WY		W	DV	N	PATE TIME
Sample Remainder Disposal I Return Sample Remainder To Client Vie				. }	Request L	sh To Dispos	e Of A	Il Sample R	lemaino	lers		(Date)	
Form # MES - CORI					,								



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES	Waste Approv	al #:	HOU-204
CEO	w asic Approv	ai 7.	HUU-204

Customer: International Tublar Service

Waste Generator: International Tublar Service

Waste Stream Name: TPH contaminated rags, booms, and pads

Expiration Date: 2/2/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

William C. Lutz

Wal hut

CA MgR.

2/27/05

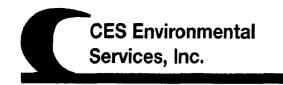
Date

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles
Reactivity
Corrosivity
Ignitability

Notice, LL 2042



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Chris Brown

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile# 2042

Generator: Norson Services, LLC **Address:** 5611 Guhn Road, Ste A

Houston, TX 77040

Waste Information

Name of Waste: Oily water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water

Color: brown

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. 7139579986 NO CES Environmental Svcs.



4904 Griggs Ruad Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Cianers	ter Information			-			
Company :	Norson	SERVICES	LLC			· · · · · · · · · · · · · · · · · · ·	
Address:	5611 A	buhn	Rond		-		
City, State, Zip :	_Houston	TEXAS		40			
Contact:	Chars	Bearin		tie :			
Phone No :	<u></u>	157-9999	5Fs	x: <u>713</u> -	-957-	9986	
24 / HR Ptione :		······································					
U.S EPA I.D No :							
> State I.D :	02-055731	<u> </u>	81	C Code	 -		
SECTION 2: Billing	nformation.						
Company:	NOC201	<u> </u>	<u> </u>	- C			
Address :	561 L	38877568	7 F.	<u> </u>	· · · · · · · · · · · · · · · · · · ·		·
City, State, Zip;	Houston		2040 1940)			
Contact:	Chr:5	Boomy		ile :			
Phone No ;		157-9995		X :			
*****	•	• •					
	Description of the Was						
Name of Waste:	oily w	177001	<u> </u>				
	Dily water						
Physical State :	E Liquid	[] Sludge	Powds	r			
	☐ Sofid	Filter Cake	Combi	nation			
-			A.I			•	
Color:	Bro	,	_Odor:	•	racer		
Specific Gravity (V	/ater=1):00	<u>~1</u> /	Density:	<u>1.5</u>	- 9,34	be / g	gel
Layera :	2 Single-Phas	Multi-Phase					
Container Tune	Drum 🖸	v .	ruck Ot	her (explain)			
Container Type :		Tote [] T	ruck Ot	imi (AVNIBILI)			
Container Size :	<u>55</u> _						
Number Of Units:	304.	١ ~					
Texas State Waste	Code No : Rec	-4c/e			_		Re
Proper U.S. State V	Vaste Code No : 🌊	earclable	Hydroca	acpon and	1 WATER	fxim-	MIE
Clase: NA	taimta		D.C .	NA	•	RO: WA	
Class : NA		· NA		-ivhv		War - Will	~—
Flash Point	pH	Reacti	e Sulfides	Reactive Cyan	des	Solide	
Ma	- 10/1	1 .	J/F way	w/F	mg/l	Nr_	%
Oil and Gross			Zina	Çopper	*	Nickel	
A A A STORES	mod 1/1/2	mat \	Ma/i	11/1	ma/l	2/12	mari

Printed Name / Title: CHRIS BROWN FRU SUIPORT MAR.

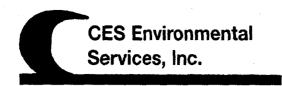
CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Published ang & Rejected Recommended Treatment:

Approval Number: 2012

0		2007 14:28 7139579986 h -01-2007 16:12 CES Environmental Sycs TION 10: Waste Receipt Classification Under 40 CFR 437	NORSON SERVICES LLC	7137488664	PAGE 05/05 P.04
		is material a westewater or wastewater sludge?	ZNO		
		ES', complete this section	[] 1,0		
		•			
	FLC	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE	CATEGORY, GO TO THE NEX	T PAGE	
		als Subcategory: Subpart A			
		Spent electroplating baths and/or sludges			
		Metal finishing rinse water and studges			
		Chromate wastes		. *	
		Air politifion control blow down water and studges			
		Spent anodizing actuations Incineration wastewaters			
		Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l			
		Wasta acids and bases with or without metals			
		Cleaning, rinsing, and surface preparation solutions from electi	topiaturig or phospina	-	
]	Vibratory deburring wastewater Alkeline and acid colutions used to clean metal parts or equipment of the columns of the colum	· · · · · · · · · · · · · · · · · · ·		
		Miles and sea solutions case to right mensi balls or solubly	NO FIE		
	Oile !	Bubcategory: Subpart B			
		Used cila			
		Oil-water emulsions or mixtures			
	ō	Lubricants			
		Coolante			
	ō	Conteminated groundwater clean-up from patroleum sources			
	ā	Used petroleum products			
	ō	Oil apiil clean-up			
		Bilge water			
		Rinse/weeh waters from petroleum sources			
		Interceptor wastes			
		Off-specification fuels			÷
		Underground storage remediation wester			
		Tank clean-out from petroleum or oily sources			
		Non-contact used glycois			
		Aqueous and oil mixtures from parts cleaning operations			
		Wastewater from oil bearing paint washes			
	Onger	ica Subcategory Subpart C			
		Landfill leachate			
		Contaminated groundwater clean-up from non-petroleum source	86		
		Solvent-bering wastes			
		Off-specification organic product			
		Still bottoms			
		Byproduct waste glycol			
	_	Wastewater from paint washes			
	_	Wastewater from adhesive end/or epoxies fermulation			ug -
		Wastewater from organic chamical product operations			•
	-	The land out from occopie SAR SARTINITY COUNTY			

SATX (Hevane) 2043 Prof # 2043



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 2/6/2007

Dear Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2043

Generator: GATX (Hearne)
Address: 1401 W. Brown St.

Hearne, TX 77859

Waste Information

Name of Waste: Oily water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water

Color: brown

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: none

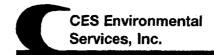
Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Generate	or Information	·	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de				
Company :	H XTAC	3N7KS					
Address :	W 10P1		<i>5</i> 4.				
City, State, Zip:	BNIASH	X	77859	<u> </u>			
Contact :	Ricardo	SALINS		Title :			
Phone No:	979-27	1-3481	F	Fax :			
24 / HR Phone:							
U.S EPA I.D No :	LXD 000 B3	5207			, 1		
State I.D :	32643			SIC Code	NH		
SECTION 2: Billing In	formation						
Company:	KTAJ	HEAME					
Address :	P.O. BOX			·			
City, State, Zip :	HEAME	TX	77859				
Contact:	Picardo	SAlins		Title :			
Phone No:	979-27		F	-ax :			
SECTION 3: General D	Description of the Was	ste					
Name of Waste :	014	water	*				
			······································				
Physical State :	Z Liquid	Sludge	Power	der			
	Solid	Filter Cake	■ Coml	bination			
Color :	pe	0Wn	Odor :		49000	Arbon	
Specific Gravity (Wa	ater=1) : 💪 🖰	10 = 1.0	Density:		7,5 ~ 5	8.34 lbs/	/ gal
Layers :	Single-Phas	Multi-Phas					•
Container Type:	Drum	Tote 🙇	Truck 📓 C	Other (explain)	- 15 - 16 - 16 - 16 - 16 - 16 - 16 - 16		
Container Size :			<u> </u>				
Number Of Units:	10						
Texas State Waste (Code No :	REC	zale				•
Proper U.S. State W	aste Code No :	R	ecycle (Recyclob	IE Hydro	carbons Ap	7)
Class: N/A	UN/NA		PG:	NA		RQ: V	
Flash Point	РН	Read	ctive Sulfides	Reactive C		Solids	
MA	NA	<u> </u>	W/A mg/l	44	mg/l	NIV	%
Oil and Grease	ооту		Zinc	Сорр	er	Nickel	
NIF	mg/l Wk	mg/l	Mg/l	11/4	mg/l	NA	mg/l

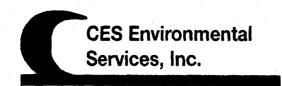
0-20% 0:1
80% - 95% WAtor
SECTION 5: Sefety Polyted Pate
SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE
SECTION 6: Attached Supporting Documents
List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
None
SECTION 7: Incompatibilities
Please list all incompatibilities (if any):
DONE
SECTION 8: Generator's Knowledge Documentation
Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge
TCLP Metals :
TCLP Volatilies:
TCLP Semi-Volatiles :
Reactivity:
Corrosivity:
Ignitability:
SECTION 9: Generator's Certification
The information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature : Date :
Printed Name / Title :
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Special Pricing / Analytical Info:
Compliance Officer: Lobbah Mange d PAT \$-30/9A1 Patron 2 (0) Street Approved Princeted Minus 42 \$-10/9A1 Trans
Date: 2-6-07 Status: Approved Rejected Recommended Treatment:
Approval Number: 2043

SECTION 4: Physical and Chemical Data

SECT	ION 10: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge ? YES YO
If 'YE	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
^	The Cultivate way Cultivate C
	i <u>cs Subcategory</u> S <i>ubpart C</i> Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

LMS ship Management 30+

EPAHO105001300



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: neutral

Waste Pre-Acceptance/Approval Letter

Date 2/7/2007

Dear Kenneth Guest

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2044

Generator: LMS Ship Management

Address: Pier 10

Galveston, TX 77550

Waste Information

Name of Waste: Oily bilge water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Removal of fluids from ship bilge

Color: clear bottom/black top Odor: oil like

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information					
Company: LMS Ship Management					
Address: P.O. 58409 Physical: Pier 10					
City, State, Zip: New Orleans, LA 70153-8409 Galveston, TX 77550					
Contact: Kenneth Guest (USES) Title: Project Manager					
Phone No: 281-867-4100 (Cell: 281-628-5217) Fax No: 281-867-4101					
24/hr Phone: CES-713-676-1460					
U.S. EPA I.D. No: NA					
State I.D. No: NA SIC Code:					
,					
SECTION 2: Billing Information - Same as Above					
Company: United States Environmental Services, L.L.C.					
Address: 200 South 16th Street					
City, State, Zip: La Porte, TX 77571					
Contact: Kenneth Guest Title: Project Manager					
Phone No: 281-867-4100 (Cell: 281-628- Fax No: 281-867-4101					
5217)					
SECTION 2. Cananal Passariation of the Wests					
SECTION 3: General Description of the Waste					
Name of Wester Oiler Diller Water					
Name of Waste: Oily Bilge Water Detailed Description of Process Generating Waste: Removal of fluids from ship bilge	,				
Detailed Describition of Process Generating waste. Ventonal of fining from suit onde					
Physical State:					
2 Ayunda Sanara					
Solid Filter Cake Combination					
Color: Clear bottom/black top Odor: oil like					
Specific Gravity (water=1): .90-1.0 Density: 8 lbs/gal					
Layers: Single-phase Multi-phase					
Layers: Single-phase Multi-phase					
Container Type: Drum Tote Truck Other (explain)					
Container Size: 5000					
Frequency:					
Number of Units (containers): 1 Other:					
Texas State Waste Code No: NA-Recylable Material					
	·				
Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material					
Class: NA UN/NA: NA PG: NA RQ:	NA.				
Class: NA UN/NA: NA PG: NA RQ: 1	NA				
Class: NA UN/NA: NA PG: NA RQ: 1	NA .				
	NA T				
Flash Point pH Reactive Sulfides Reactive Cyanides Solids	NA .				
	VA				

SECTION 4: Physical and Chemical Data

The waste consists of the following materials		ិថ្មីការីលេវាត្រិត្តក្រែត	Fills.
		Ranges are acceptable	or %
Water		80-90	%
Oil		10-20	%
dirt		1-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level \underline{D}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Chlor-D-Tect (<1000 ppm)

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Gut	Date:	2/7/07
Printed Name/Title: Kenneth	Guest Operations	Coordina tor	

CE USE ONLY (DO NOT WRITE IN THIS SPACE)	
CE: USE ONL! (DO NO! WAITE IN THIS STREET	
Compliance Officer: Porthabil Hound	Additional Information:
Date: 27-07 Approved Rejected	$R \in C$
Approval Number: ZOLILI	\$0.20/gal + Trans
rippiovai ritamoori.	

5	ECTION 10: Waste Receipt Classification Under 40 CFR 4	<u>137</u>		
1	s this material a wastewater or wastewater sludge? YES	⊠ NO		
I	f 'Yes', complete this section.			
I	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGOR	Y, GO TO THE N	VEXT PAGE.
Me	tals Subcategory: Subpart A			
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi		ting operations	4
<u>Oils</u>	: Subcategory: Subpart B		;	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes			
Org	anics Subcategory: Subpart C			
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from paint washes	irces		
	Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic non-petroleum sources			•

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.			
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.			
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L	·		
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o nickel above any of the values listed above, the waste should be classified in the organics subcategory.			
	Metals Subcategory			

SECTION 11: Additional Instructions

Oils Subcategory

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

14

From: US Environmental Services, LLC

			24 H	OUR BE	RVICE
7		上二	=		
UNITED STATE	S ENV	TRONAL	MTAL S	ERVICE	S, L.L.C.

FAX COVERSHEET

Office: 281-867-4100

Fax: 281-867-4101

www.us-services-group.com

Date:

of Pages:

To:

Tel#:

713-676-1460

Fax #: Subject:

alveston

Comments

CORPORATE OFFICES • 2809 E. Judge Perez Drive, P.O. Box 949, Meraux, LA 70075 • (504) 279-9930 • Fix (504) 279-7756 200 S. 16th Street, La Porte, TX 77571 • (281) 867-4100 • Fax (281) 867-4101 37009 Lirocchi Park Road, Prairieville, LA 70769 • (225) 673-4200 • Fax (225) 677-9549 42156 Highway 23, P.O. Box.830, Venice, LA 70091 • (504) 534-2744 • Fax (504) 534-7058 1075 Mendell Davis Drive, Jackson, MS 39212 • (601) 372-3232 • Fax (601) 372-3356 1855 Veterans Drive, Southaven, MS 38671 • (662) 280-3232 • Fax (662) 280-3011 4230-A Halls Mill Road, Mobile, AL 36693 • (251) 662-3500 • Fax (251) 662-3400 228 Regency Park, Alabaster, AL 35007 • (205) 663-8737 • Fax (205) 663-4404 5061 N. Lagoon • Portland, OR 97217 • (971) 222-2550 • (971) 222-2560 4401 Hwy 359. Suite # 1 . Laredo, TX 78046 . (956) 722-9911 . (956) 722-9914

24-Hour Emergency Response

(888) 279-9930

All Service Locations

2045 Schlumberga - IPC

this material may have high Zinc. The discharge linitis 3/pm. There needs

CES Environmental Services, Inc.

to be surcharge limits for Zn. the

Houston, TX 77021 Fax: (713) 676-1676

base price of \$.09 is /ou. For the Phone: (713) 676-1460 Fax: (713) 676-1676

potential of high gives from this wode http://www.cesenvironmental.com

Stream the surcharges should go to TCEQ Industrial Solid Waste Permit No: 30948

at least \$5.27 / yal. of U.S. EPA ID No: TXD008950461 ISWR No: 309

+ \$.27) gal	2. 0 1 3. I	SPAID NO: IAD	00023040)1 12 W K		· · · · · · · · · · · · · · · · · · ·
SECTION 1: Can	erator Information					
		chnology - IPC Nort	-h			
Company: Address:			.11			
	555 Industrial Bly					
City, State, Zip:	Sugarland, TX 77		<u> </u>	753*41		
Contact:	Michael Jaskowia	<u>IK</u>	······································	Title:		
Phone No:	800-377-4692			Fax No:		
24/hr Phone:	#X/TX400505550					
U.S. EPA I.D. No:	TXD089797799		······	~~~	0:500	
State I.D.	32572			SIC Code:	3533	
SECTION 2: Rillio	ng Information —	Same as A hove				
Company:	RINECO	Same as Above				
Address:	1007 Vulcan Rd					
City, State, Zip:	Benton, AR 72015				· · · · · · · · · · · · · · · · · · ·	
Contact:	Michael Jaskowiak	T	itle:			
Phone No:	800-377-4692		ax No:			
r none 140:	800-377-4092		ax INU:			
CDCMIONIA C		we .				e e
SECTION 3: Gene	eral Description of the	ie Waste				
	Vash Water Containing on of Process Genera Liquid		from clear	ing floors and	cooling ar	mored wire where a solid zinc-bas
	Solid	Filter Cake		Combinatio	m	
	Sond	Filter Cake	<u> </u>	Combinatio	111	•
Color: <u>clear</u>		Odor: <u>none</u>			•	
Specific Gravity (w	rater=1): <u>1</u>	Density: <u>8.34</u> lb	os/gal			
Layers:	⊠ Single-phase	Multi-	phase			
Container Type:	☐ Drum	☐ Tote	\boxtimes	Truck	\Box	Other (explain)
Container Size:				5000		4 (F)
Container Size:				<u>5000</u>		
requency:	☐ Weekly	☐ Monthly	\boxtimes	Quarterly		Yearly
Number of Units (c		Other:		-		-
exas State Waste	<i>'</i> –	•				
		<u> १०१८८० </u>				
TTA TAMA	1	Non Regulat	ted Materia	ıl		
Proper U.S. DOT S	nipping Name:	7,				
-		A:	٠.	PG:		RO:
Proper U.S. DOT S Class: n/a	hipping Name: UN/N	A: nc	·	PG:	m	RQ:
-		A: nc		PG:	10	RQ:
-		Reactive Sulfides		PG:		RQ:
Class: n/a	UN/N					W

SECTION 4: Physical and Chemical Data

(eomikomenakalember	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water 🚜	99	%
Zinc Sludge	1	%
Oil	0-3	%
Hydrocarbon	0-3	%

SECTION 5: Safety Related Data				
If the handling of this waste requires	the use of special protect	ive equipment	, please explain.	
SECTION 6: Attached Supporting D	ocuments			
List all documents, notes, data, and/o	r analysis attached to this	s form as part	of the waste approval pac	kage.
SECTION 7: Incompatibilities				
Please list all incompatibilities (if any):			
SECTION 8: Generator's Knowledge	a Dogumentation			
Laboratory analysis of the hazardous generator knowledge:		ted below, WA	AS NOT PERFORMED bz	ased upon the following
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:			·	
SECTION 9: Generator's Certification	<u>on</u>			
The information contained herein is bas attached description is complete and a omissions of composition properties ex tested are representative of all materials	ccurate to the best of my ist and that all known or	knowledge at suspected haza	nd ability to determine tha	t no deliberate or willful
Authorized Signature:			Date: 8/18/08	
Printed Name/Title: Douglas Highsmi	th/Non-Fuels Chemist			
CES USE ONLY (DO NOT WRITE IN THIS S	PACE)			
Compliance Officer:	MAL	Additional I	Information:	
Date: 9-74-08	pproved Rejected			
Annroval Number:				

<u>S</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 43'	<u>7</u>			
Is	this material a wastewater or wastewater sludge? YES	□ №			
lf	'Yes', complete this section.				
D	I E 18E CHECK THE ABBOODT (TE BOV. IE NO ABBOOT	ni we carecony c	o to the s	EVT BACE	
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROP	KIATE CATEGORY, G	O IO IHE N	EXI PAGE.	
Met	als Subcategory: Subpart A				
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals				
	Cleaning, rinsing, and surface preparation solutions from elect	roplating or phosphating	operations		
	Vibratory deburring wastewater		•		
	Alkaline and acid solutions used to clean metal parts or equipm	nent			
<u>Oils</u>	Subcategory: Subpart B				
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up				
	Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels			·	
Ħ	Underground storage remediation waste				
H	Tank clean-out from petroleum or oily sources Non-contact used glycols				
Ħ	Aqueous and oil mixtures from parts cleaning operations				
	Wastewater from oil bearing paint washes	•			
<u>Orga</u>	nics Subcategory: Subpart C				
	Landfill leachate				
П	Contaminated groundwater clean-up from non-petroleum source	es			
H	Solvent-bearing wastes Off-specification organic product				
H	Still bottoms				
	Byproduct waste glycol				
	Wastewater from paint washes		,	•	
出	Wastewater from adhesives and/or epoxies formulation	•	•	•	
H	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	5			
	rang organion nom organic, non-bonomin sources	***	•	***	

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0,2 mg/L nium: 8.9 mg/L or: 4.9 mg/L I: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
	\boxtimes	Oils Subcategory
		Organics Subcategory

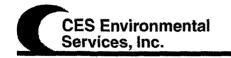
SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
Base Price: \$0.09 / Gallon \$150 minimum
2. Contamination Limit (maximum limit before surchages apply):
Solids >3% TOC >5000ppm
Need surcharge for Zine > 3 ppm.
3. Surcharge Pricing:
Solids \$.01/gal/% TOC \$.03/gal/5000 toc
100 4:03/ 80// 100 4:03/ 80// 3000 100
A Special Testing Populisaments
4. Special Testing Requirements: Test for att toc about and Zinc. The Zinc may be high. If the
Test for pt, toc, phenol and Zinc. The Zinc may be high. If the Zinc is greater than 3 ppm call customer service.
Zine is greater than 3 ppm call customer service.
5. Treatment and Handling Protocol:
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Reco	vered/Recycled (if appli	icable):	
			İ
			i
8. Management for Prod	uct Recovered/Recycled	l (if applicable)	
1			



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Angela Brown

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2045

Generator: Schlumberger Technology - IPC North

Address: 555 Industrial Blvd

Sugarland, TX 77478

Waste Information

Name of Waste: Washwater containing zinc

TCEQ Waste Code #: 00321141

Container Type:

Detailed Description of Process Generating Waste:

Water from cleaning floors and cooling armored wire where a solid zinc-based lubricant

used

Color: clear

Odor: none

pH: 4-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General				
Company:	Schlumberger Techno			
Address:	555 Industrial Blvd., N			
City, State, Zip:	Sugarland, TX 77478		TT: (1	The outer M
Contact:	Virginia Jee		Title:	IPC QHSE Mgr
Phone No:	281 285-4267		Fax No:	281 285-7784
24/hr Phone:	Rineco Chemical	<u></u>		
U.S. EPA I.D. No:	TXD089797799		GIC C- 1	2522
State I.D.	32572		SIC Code:	3533
	Information – 🔲 Sam	ie as Above		
	Rineco Chemical			
	P.O. Box 729			
• • • • • • • • • • • • • • • • • • • •	Benton, AR 72018			
_	Angela Brown	Title:	Non Fuels Che	emist
Phone No:	300 377-4692	Fax No:	501 778-8505	
SECTION 3: Genera	al Description of the W	'aste		
	_		leaning floors and o	cooling armored wire where a solid
Dhariaal Ctatas			Powder	
Physical State:	☐ Liquid ☐	Sludge	=	
	☐ Solid ☐	Filter Cake	Combination	1
Color: Clear	Odo	r: <u>none</u>		
Specific Gravity (wat	ter=1): <u>1</u>	Density: 8.34 lbs/gal		
Layers:	Single-phase	☐ Multi-phase		
Container Type:	☐ Drum [Tote		Other (explain)
Container Size:			5000	
Container Size.			<u>0000</u>	
Frequency: Number of Units (con Texas State Waste Co	ntainers): <u>1-2</u>	Monthly Other: 141	Quarterly	☐ Yearly
Proper U.S. DOT Shi	ipping Name:	Non DOT Regulate	ed Material	
Class: N/A	UN/NA:	N/A	PG: N/A	RQ: N/A
	01112123			
The Board of		42 C - 100 1	D ~	23 G-123
Flash Point		eactive Sulfides	Reactive Cy	
<u>>140</u>		50mg/l	<50mg/l	<u><3</u> %
Oil&Grease >1,500mg/l	TOC <2000mg/l	Zinc <5mg/l	Copper <5mg/l	Nickel <5mg/l
		<u> </u>		

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	99	%
Zinc-based Lubricant Sludge	1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

2045

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: TCLP Volatiles: No TCLP Metals are part of or generated during the waste generation process No TCLP Volatiles are part of or generated during the waste generating process

TCLP Semi-Volatiles:

Authorized Signature:

Approval Number: __

No TCLP Semi-Volatiles are part of or generated during the waste generating process

Reactivity: Corrosivity: No Reactives are part of or generated during the waste generating process

Ignitability:

No Corrosives are part of or generated during the waste generating process No ignitables are part of or generated during the waste generating process

SECTION 9: Generator's Certification

The information contained herein is based on \(\sum \) generator knowledge	e and/or analytical data. I hereby certify that the above and
attached description is complete and accurate to the best of my known	owledge and ability to determine that no deliberate or willful
omissions of composition properties exist and that all known or susp	ected hazards have been disclosed. I certify that the materials
tested are representative of all materials described by this document.	
Authorized Signature:	Date: 1/31/2007

____ Date: 1/31/2007

Printed Name/Title: Virginia Jee IPC OHSE Manager	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robbet Thya	Process Facility Information:
Date: 2-5-07 Approved Rejected	14

2

SECTION 10: Waste Receipt Classification Under 40 CFR 437 П по Is this material a wastewater or wastewater sludge? YES If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations

Tank clean-out from organic, non-petroleum sources

(1)	If the w	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chromi Copper	um: 0.2 mg/L ium: 8.9 mg/L : 4.9 mg/L 37.5 mg/L
(3)		raste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Sean Easton

From:

Virginia Jee [jee@sugar-land.oilfield.slb.com]

Sent:

Friday, January 26, 2007 3:15 PM

To:

seaston@cesenvironmental.com

Cc:

Ron Spisak

Subject:

analyticals for water streams - EPA ID TX089797799

Attachments: Extrusion Wtr.pdf; SrvCntrWtr.pdf

Sean,

Extrusion water was only tested for oils & greases. It is water used to cool plastic wrapped wire. The plastic is applied to the wire in a melted stated and then the wire is cooled in a trough of water. This is the cooling water. It has only trace oil & grease but the POTW has decided that this water needs to be classified as a process water so it has a lower O&G limit for discharge to the sanitary sewer.

TCLP Metals not needed because water does not contact metals directly

TCLP Volatiles & Semi-Volatiles not needed because the plastic doatings are not hydrocarbon oils or

Water itself is not reactive, corrosive or ignitable

Service Center Water the analytical tests run were metals and Volatiles. The metals were done by ICP rather than TCLP, if you think we need to run TCLP, let me know. I am having TCLP run on the sludge but that test is not back yet. I don't think we get much of the sludge in the water stream because that is collected and put into drums.

This water is from rinsing off reels of wireline cable that come in from the field for servicing. The water is collected in a sump and run through a recycling process with makeup water. It should have higher levels of O&G and contaminants because the wire has been run in and out of real-wells.

Wash water Containing Zinc - I did not have analytical analysis on that. I guess I just imagined that I saw something in the file.

Anyway, some of the larger wire cables they build here get wire-wrapped (armor) for extra strength. The solid lubricant they use in the armor process contains zinc dust. The water with zinc comes from 2 sources

- 1) water from cleaning the floors
- 2) water from cooling the armored wire after it is "pre-stressed" and before it is put on the final reel.

TCLP Metals - only expected metal contamination is the zinc dust

TCLP Volatiles & Semi-Volatiles - the zinc dust is from a soap based lubricant not a hydrocarbon base Water itself is not reactive, corrosive or ignitable

If you need further information, please let me know.

Regards

Virginia

Sean Easton

From: Tia Padgett [tpadgett@rineco.com]

Sent: Friday, January 26, 2007 2:41 PM

To: seaston@cesenvironmental.com

Subject: CES Profiles for Schlumberger for Virginia Jee

I believe Virginia is going to send you more info on her profiles but here is the other info in the meanwhile. By the way, thank you VERY much for taking time to clear all of their questions up. You have no idea how much I appreciate your help. You're a very good sales man and did a good job explaining all of that. ⁽³⁾

From: Virginia Jee [mailto:jee@sugar-land.oilfield.slb.com]

Sent: Friday, January 26, 2007 11:57 AM

To: Tia Padgett

Subject: Re: CES Profiles for Schlumberger

Tia
On Wash Water with Zinc profile, they classified as Wastewater from organic chemical product operations. This is not true. The water is form the cable prestressor line (cooling) and from cleaning the floors (with residual zinc dust).

I assume they went with the organic classification because of the high Oil & grease numbers, however if I had to classify, I would choose Rinse/wash waters from petroleum sources (the petroleum source is the grease on the wire)

See if they will accept this classification. The other 2 are fine.

Virginia

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Sample Evaluation Form

Sample ID # <u>00162</u> Date <u>(26 200</u>	7
Please Complete This Section	
Generator / Customer Name: Schlumbere / Rucco	
Name or Type of Waste: Zinc Mop Wite	
Process Generating Waster Vien drang floors in zinc phosphite eres	
Number of Samples: / Submitted By: 分の	
Analysis To Be Completed: Treefability /#	
Turnaround Time:	
Other: Ceramerded Sucheges	
(Lab Use Only)	
Sample Results: PH 9:3 TOC After Treatment: 560 Plm	
Suggested Method of Treatment : S 1 D	
Suggested Price Range : <u>• 0 % ~ • 1 0</u>	
Sample Results Reported to	
Test Completed By: 66 Date: 01 127 167 Time: 8.50 A	

7 8 4-09 B 4-34

~DALIA . .



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Angela Brown

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2045

Generator: Schlumberger Technology - IPC North

Address: 555 Industrial Blvd

Sugarland, TX 77478

Waste Information

Name of Waste: Washwater containing zinc

TCEQ Waste Code #: 00321141

Container Type:

Detailed Description of Process Generating Waste:

Water from cleaning floors and cooling armored wire where a solid zinc-based lubricant

used

Color: clear

Odor: none

pH: 4-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1. Comow	atau Information			
SECTION 1: Gener Company:	Schlumberger Techni	ology IPC - North		
Address:	555 Industrial Blvd.,			
City, State, Zip:	Sugarland, TX 7747			
Contact:	Virginia Jee		Title:	IPC QHSE Mgr
Phone No:	281 285-4267		Fax No:	281 285-7784
24/hr Phone:	Rineco Chemical			
U.S. EPA I.D. No:	TXD089797799			
State I.D.	32572		SIC Code:	3533
SECTION 2: Billing	Information – 🔲 Sai	ne as Above		
	Rineco Chemical			
	P.O. Box 729			
City, State, Zip:	Benton, AR 72018			
Contact:	Angela Brown	Title:	Non Fuels Ch	
Phone No:	800 377-4692	Fax No	: 501 778-8505	
SECTION 3: General Description of the Waste Name of Waste: Wash Water Containing Zinc Detailed Description of Process Generating Waste: Water from cleaning floors and cooling armored wire where a solid zinc-based lubricant is used				
		_	_	
Physical State:	∠ Liquid	☐ Sludge	Powder	
	☐ Solid	Filter Cake	Combination	n
Color: Clear Odor: none				
Color. Cicar	Ou.	01. <u>110110</u>		
Specific Gravity (water=1): 1 Density: 8.34 lbs/gal				
Layers:	⊠ Single-phase	☐ Multi-phase	e	•
Container Type:	☐ Drum	☐ Tote		Other (explain)
- -	Di um	rote	5000	Cinci (capiain)
Container Size:			3000	
Frequency:				
Proper U.S. DOT Sh	ipping Name:	Non DOT Regula	ted Material	
Class: N/A	UN/NA:	N/A	PG: N/A	A RQ: N/A
Flash Point	pH F	Reactive Sulfides	Reactive C	yanides Solids
>1 <u>40</u>	4	50mg/l	<50mg/l	<u><3</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
>1,500mg/l	<2000mg/l	<5mg/l	<5mg/l	<u><5</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	99	%
Zinc-based Lubricant Sludge	1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

No TCLP Metals are part of or generated during the waste generation process

TCLP Volatiles:

No TCLP Volatiles are part of or generated during the waste generating process

TCLP Semi-Volatiles:

Authorized Signature: ___

No TCLP Semi-Volatiles are part of or generated during the waste generating process

Reactivity:

No Reactives are part of or generated during the waste generating process

Corrosivity:

No Corrosives are part of or generated during the waste generating process

Ignitability:

No ignitables are part of or generated during the waste generating process

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above an
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material
tested are representative of all materials described by this document.

Printed Name/Title: Virginia Jee IPC OHSE Manager	
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Political Approved Rejected Approval Number: 2045	Process Facility Information:

Date: 1/31/2007

SI	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
Pl	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils .	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation
	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

Sean Easton

From:

Virginia Jee [jee@sugar-land.oilfield.slb.com]

Sent:

Friday, January 26, 2007 3:15 PM

To:

seaston@cesenvironmental.com

Cc:

Ron Spisak

Subject:

analyticals for water streams - EPA ID TX089797799

Attachments: Extrusion Wtr.pdf; SrvCntrWtr.pdf

Sean.

Extrusion water was only tested for oils & greases. It is water used to cool plastic wrapped wire. The plastic is applied to the wire in a melted stated and then the wire is cooled in a trough of water. This is the cooling water. It has only trace oil & grease but the POTW has decided that this water needs to be classified as a process water so it has a lower O&G limit for discharge to the sanitary sewer.

TCLP Metals not needed because water does not contact metals directly

TCLP Volatiles & Semi-Volatiles not needed because the plastic doatings are not hydrocarbon oils or

Water/itself is not reactive, combsive or ignitable

Service Center Water the analytical tests run were metals and Volatiles. The metals were done by ICP rather than TCLP, if you think we need to run TCLP, let me know. I am having TCLP run on the sludge but that test is not back yet. I don't think we get much of the sludge in the water stream because that is collected and put into drums.

This water is from rinsing off reels of wireline cable that come in from the field for servicing. The water is collected in a sump and run through a recycling process with makeup water. It should have higher levels of O&G and contaminants because the wire has been run in and out of real-wells.

Wash water Containing Zinc - I did not have analytical analysis on that. I guess I just imagined that I saw something in the file.

Anyway, some of the larger wire cables they build here get wire-wrapped (armor) for extra strength. The solid lubricant they use in the armor process contains zinc dust. The water with zinc comes from 2 sources

- 1) water from cleaning the floors
- 2) water from cooling the armored wire after it is "pre-stressed" and before it is put on the final reel.

TCLP Metals - only expected metal contamination is the zinc dust

TCLP Volatiles & Semi-Volatiles - the zinc dust is from a soap based lubricant not a hydrocarbon base Water itself is not reactive, corrosive or ignitable

If you need further information, please let me know.

Regards

Virginia

Sean Easton

From: Tia Padgett [tpadgett@rineco.com]

Sent: Friday, January 26, 2007 2:41 PM

To: seaston@cesenvironmental.com

Subject: CES Profiles for Schlumberger for Virginia Jee

I believe Virginia is going to send you more info on her profiles but here is the other info in the meanwhile. By the way, thank you VERY much for taking time to clear all of their questions up. You have no idea how much I appreciate your help. You're a very good sales man and did a good job explaining all of that. ©

From: Virginia Jee [mailto:jee@sugar-land.oilfield.slb.com]

Sent: Friday, January 26, 2007 11:57 AM

To: Tia Padgett

Subject: Re: CES Profiles for Schlumberger

Tia
On Wash Water with Zinc profile, they classified as Wastewater from organic chemical product operations. This is not true. The water is form the cable prestressor line (cooling) and from cleaning the floors (with residual zinc dust).

I assume they went with the organic classification because of the high Oil & grease numbers, however if I had to classify, I would choose Rinse/wash waters from petroleum sources (the petroleum source is the grease on the wire)

See if they will accept this classification. The other 2 are fine.

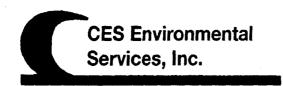
Virginia

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Sample Evaluation Form

Sample ID #	Date
Please Complete This Section	
Generator / Customer Name: Schlumber / Rnece	
Name or Type of Waste: Zinc Mop With	·
Process Generating Waste: Westernter from elrang flows in	
Number of Samples : / Submitted By : 5.	Malon
Analysis To Be Completed: Trestability / #	
Turnaround Time :)」と	
Other: becamended Surleges	
V	
(Lab Use Only	′)
Sample Results: PH 9.3 TOC Affer	Treatmeil: 560 PPm
Suggested Method of Treatment :	
Suggested Price Range: <u>。ぴぽ~.1り</u>	
Sample Results Reported to	
Test Completed By: 66 Date: 01 127 167	Time: 8.50 A



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Angela Brown

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2046

Generator: Schlumberger Technology - IPC North

Address: 555 Industrial Blvd

Sugarland, TX 77478

Waste Information

Name of Waste: Oily water - extrusion

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Discarding water used to cool plastic wrapped wire during production

Color: clear

Odor: non

pH: 4-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gen	erator Information				
Company:		Schlumberger Technology IPC - North			
Address:	555 Industrial Blvd				
City, State, Zip:	Sugarland, TX 774				
Contact:	Virginia Jee		Title:	IPC QHSE M	lgr
Phone No:	281 285-4267		Fax No:	281 285-7784	
24/hr Phone:	Rineco Chemical		_		
U.S. EPA I.D. No:	TXD089797799		_		
State I.D.	32572		SIC Code:	3533	
State I.D.			_ 510 0000.		
SECTION 2. Billi	ng Information – 🔲 S	ame as Ahove			
Company:	Rineco Chemical	ame as Above			
Address:	P.O. Box 729				
City, State, Zip:	Benton, AR 72018				
-	Angela Brown	Title:	Non Fuels Cl	nemist	
Contact:					
Phone No:	800 377-4692	Fax No:	501 778-8505		
		WW7 /			
SECTION 3: Gen	eral Description of the	Waste			
	ily Water - Extrusion n of Process Generation	ng Waste: Discarding water	er used to cool p	lastic wrapped	wire during production
Dhawinal States	⊠ Tiania	Sludge [Powder		
Physical State:	∠ Liquid ✓ Liquid		_		
	☐ Solid	Filter Cake	_ Combination	n	
Color: Clear Odor: none					
Specific Gravity (water=1): 1 Density: 8.34 lbs/gal					
Layers:	Single-phase	⊠ Multi-phase			
Container Type:	Drum	☐ Tote 🗵] Truck	□ o	ther (explain)
	Dram		<u>5000</u>		oner (empana)
Container Size:			<u> 5000</u>		
Frequency:		Monthly	Quarterly		early
Number of Units (Other:			•
Texas State Waste	Code No: Rec	cyclable			
	hipping Name:	Non DOT Regulated	Material		
Proper U.S. DOT S			PG: N/	'A	
-		A: N/A	- FG: 14/	4 4	RQ: N/A
Proper U.S. DOT S Class: N/A	UN/NA	N/A	rg. 14/		RQ: N/A
-		A: N/A			RQ: N/A
Class: N/A	UN/NA	Reactive Sulfides	Reactive C		RQ: N/A Solids
-		· · · · · · · · · · · · · · · · · · ·			
Class: N/A Flash Point	UN/NA	Reactive Sulfides	Reactive C		Solids <3%

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	98-99	%
Used Lube Oil	1-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. SPL #04090878 (oil & grease)

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Printed Name/Title: Virginia Jee IPC OHSE Manager

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP	Metals:
TOT D	X7 - 1 - 4:3

No TCLP Metals are part of or generated during the waste generation process

TCLP Volatiles:

No TCLP Volatiles are part of or generated during the waste generating process

TCLP Semi-Volatiles:

No TCLP Semi-Volatiles are part of or generated during the waste generating process

Reactivity: Corrosivity:

No Reactives are part of or generated during the waste generating process
No Corrosives are part of or generated during the waste generating process

Ignitability:

No ignitables are part of or generated during the waste generating process

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Date: 1/31/2007

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Labely Thangea	Process Facility Information:
Date: 2-5-07 (Approved) Rejected	REC
Approval Number: ZO46	

SI	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
PI	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	uls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils .	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.						
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.						
	Chrom Copper	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L					
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.					
		Metals Subcategory					
		Oils Subcategory					

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Vector Cable/SCD

Certificate of Analysis Number: 04090878

Report To: **Project Name: Extrusion Water** Site: Sugarland, Texas **Vector Cable/SCD Brad Whitaker** Site Address: 555 Industrial Drive PO Number: Sugarland State: Texas TX 77478-State Cert. No.: ph: (281) 285-7702 Date Reported: 10/6/04

This Report Contains A Total Of 10 Pages

Excluding This Page, Chain Of Custody

And

Attachments

10/6/04

Date



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE

HOUSTON, TX 77054 (713) 660-0901

Case Narrative for: Vector Cable/SCD

Certificate of Analysis Number:

04090878

Report To: **Project Name: Extrusion Water** Site: Sugarland, Texas **Vector Cable/SCD Brad Whitaker** Site Address: 555 Industrial Drive PO Number: Sugarland State: Texas TX 77478-State Cert. No.: ph: (281) 285-7702 10/6/04 **Date Reported:**

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Due to limited sample volume, no matrix spike (MS) or matrix spike duplicate (MSD) was extracted for the n-hexane extractable material analysis by Method 1664. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). Spike recoveries for the LCS and LCSD were within QC limits.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Dean a. Junei

10/6/04

Dean Joiner

Senior Project Manager

Date



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Client Sample ID: Extrusion Water				Collected: 09/23/2004 8:20				D: 040	90878-01
				Site:	Sug	garland, Texas			
Analyses/Method	Result	Rep.Li	mit		Dil. Factor QUAL	Date Analyzed	Analyst	Seq. #	
BIOCHEMICAL OXY	GEN DEMAND				MCL	E405.1	Units: m	g/L	
Biochemical Oxygen D	7		4		2	09/23/04 13:00	A_E	2442453	
N-HEXANE EXTRAC	TABLE MATE	RIAL			MCL	1664	Units: m	g/L	
n-Hexane Extractable I	36		5		1	09/29/04 15:30	EFE	2444639	
n-Hexane Extractable Material, Silica Gel Treated				5		1	09/29/04 15:30	EFE	2444639
Prep Method	Prep Date		Prep Initials	Prep Fa	ctor				
	09/29/2004 10):00]	1.00					
PH				***************************************	MCL	E150.1	Units: pl	l Units	
рН		8.77	0.	1		1	09/23/04 16:00	A_E	2436248
TOTAL SUSPENDED	SOLIDS				MCL	E160.2	Units: m	g/L	
Suspended Solids (Res Filterable)	209	,	4		1	09/24/04 10:00	RA	2438749	

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

10/6/04 9:24:22 AM

Sean Easton

From:

Virginia Jee [jee@sugar-land.oilfield.slb.com]

Sent:

Friday, January 26, 2007 3:15 PM

To:

seaston@cesenvironmental.com

Cc:

Ron Spisak

Subject:

analyticals for water streams - EPA ID TX089797799

Attachments: Extrusion Wtr.pdf; SrvCntrWtr.pdf

Sean,

Extrusion water was only tested for oils & greases. It is water used to cool plastic wrapped wire. The plastic is applied to the wire in a melted stated and then the wire is cooled in a trough of water. This is the cooling water. It has only trace oil & grease but the POTW has decided that this water needs to be classified as a process water so it has a lower O&G limit for discharge to the sanitary sewer.

TCLP Metals not needed because water does not contact metals directly

TCLP Volatiles & Semi-Volatiles not needed because the plastic coatings are not hydrocarbon oils or greases

Water itself is not reactive, corrosive or ignitable

Service Center Water - the analytical tests run were metals and Volatiles. The metals were done by ICP rather than TCLP, If you think we need to run TCLP, let me know. I am having TCLP run on the sludge but that test is not back yet. I/don't think we get much of the sludge in the water stream because that is collected and put into drums.

This water is from rinsing off reels of wireline cable that come in from the field for servicing. The water is collected in a sump and run through a recycling process with makeup water. It should have higher levels of O&G and contaminants because the wire has been run in and out of real wells.

Wash water Containing Zine—I did not have analytical analysis on that. I guess I just imagined that I saw something in the file.

Anyway, some of the larger wire cables they build here get wire-wrapped (armor) for extra strength.

The solid lubricant they use in the armor process contains zinc dust. The water with zinc comes from 2 sources

1) water from cleaning the floors

2) water from cooling the armored wire after it is "pre-stressed" and before it is put on the final reel

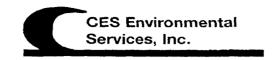
TCLP Metals - only expected metal contamination is the zinc dust

TCLP Volatiles & Semi-Volatiles - the zinc dust is from a soap based lubricant not a hydrogarbon base Water itself is not reactive, corrosive or ignitable

If you need further information, please let me know.

Regards

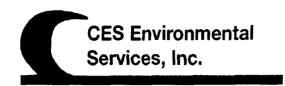
Virginia



Sample Evaluation Form

Sample ID# <u>00098</u>	Date 1 1 26 1 07					
Please Complete This Section	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de					
Generator / Customer Name: Schlumberger	2 Pineis					
Name or Type of Waste :						
Process Generating Waste Dily water	on extrision area					
Number of Samples : Submitted By	: 5' EM3TON					
Analysis To Be Completed:	/ PRICE #					
Turnaround Time: $\bigvee_{v \in \mathcal{V}} \sqrt{3c}$						
Other: Recommended Surcha	\e5					
	·					
(Lab Use Only)						
Sample Results : 14 5.60 TOC o						
Suggested Method of Treatment :						
Suggested Price Range : <u>05 ~ 06</u>						
Sample Results Reported to						
Test Completed By: <u>GG</u> Date: <u>DJ / 26</u>	107 Time: 2:20PM					

301 Fineray Transfer/Howton Pipelly.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/18/2007

Dear Robby Meriovsky

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2013

Generator: Energy Transfer/Houston Pipeline

Address: Hwy 87 @ CR 4213

Deweyville, TX

Waste Information

Name of Waste: Oily water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water from gas pipeline compressor station.

Color: black

Odor: none

pH: 7

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Site Contact: Sody Lambright 409-673-0254

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461

ISWR No: 30900

SAMPLE

SECTION 1: Gen	erator Information			
Company:	Energy Transfer/H	Iouston Pipeline	•	
Address:	Hwy 87 @ CR 42	13		
City, State, Zip:	Deweyville, Texas	77662		:
Contact:	David Wigzell		Title:	EH&S
Phone No:	281-652-2241		Fax No:	281-652-2201
24/hr Phone:	281-652-2241	· · · · · · · · · · · · · · · · · · ·		
U.S. EPA I.D. No:	none		- .	
State I.D.	none		SIC Code:	none
State I.D.				
SECTION 2. Billio	ng Information – 🔲 🤄	Same as Ahove		
Company:	Select Environmenta			
Address:	223 McCarty	51		
	Houston, TX. 77029		 	
City, State, Zip:		Title:	Sales	
Contact:	Robby Mersiovsky			T
Phone No:	713-882-7740	Fax No:	713-672-942:)
SECTION 3: Gene	eral Description of th	e Waste		
Name of Waste: ODetailed Description		ing Waste: oily water from	gas pipeline con	mpressor station
Physical State:	∠ Liquid	Sludge [Powder	
1 hysical state.	☐ Solid	Filter Cake	Combinatio	
		ritter Cake [Combinatio) 11
Color: black		Odor: <u>none</u>		
Color: <u>black</u> Specific Gravity (w		Odor: <u>none</u> Density: <u>¶</u> lbs/gal		
Specific Gravity (w	ater=1): Single-phase	Density: <u>K</u> lbs/gal Multi-phase		
Specific Gravity (w Layers: Container Type:	ater=1):	Density: <u> </u> lbs/gal] Truck	Other (explain)
Specific Gravity (w	ater=1): Single-phase	Density: <u>K</u> lbs/gal Multi-phase		
Specific Gravity (w Layers: Container Type:	ater=1): Single-phase	Density: <u>K</u> lbs/gal Multi-phase] Truck <u>5500gal</u>	Other (explain)
Specific Gravity (w Layers: Container Type: Container Size:	ater=1): Single-phase Drum ! Weekly	Density: <u>M</u> lbs/gal Multi-phase Tote] Truck <u>5500gal</u>	Other (explain)
Specific Gravity (w Layers: Container Type: Container Size: Frequency:	ater=1): Single-phase Drum ! Weekly ontainers):5	Density: Multi-phase Tote Monthly Other:] Truck <u>5500gal</u>	Other (explain)
Specific Gravity (w Layers: Container Type: Container Size: Frequency: Number of Units (c Texas State Waste	ater=1): Single-phase Drum ! Weekly ontainers):5 Code No:	Density: <u>K</u> lbs/gal Multi-phase Tote E Monthly Other:] Truck <u>5500gal</u>	Other (explain)
Specific Gravity (w Layers: Container Type: Container Size: Frequency: Number of Units (c	ater=1): Single-phase Drum ! Weekly ontainers):5 Code No:	Density: Multi-phase Tote Monthly Other:	Truck 5500gal Quarterly	☐ Other (explain) ——— ☑ Yearly
Specific Gravity (w Layers: Container Type: Container Size: Frequency: Number of Units (c Texas State Waste	ater=1): Single-phase Drum ! Weekly ontainers):5 Code No:	Density: 8 lbs/gal Multi-phase Tote Monthly Other: Recyclable bydiog	Truck 5500gal Quarterly	Other (explain) Yearly
Specific Gravity (w Layers: Container Type: Container Size: Frequency: Number of Units (c Texas State Waste Proper U.S. DOT S	ater=1): Single-phase Drum Weekly ontainers):5 Code No:	Density: Ibs/gal Multi-phase Tote Monthly Other: Recy dable by doc	Truck 5500gal Quarterly	☐ Other (explain) ——— ☑ Yearly
Specific Gravity (w Layers: Container Type: Container Size: Frequency: Number of Units (c Texas State Waste Proper U.S. DOT S	ater=1): Single-phase Drum Weekly ontainers):5 Code No: chipping Name: UN/N	Density: 8 lbs/gal Multi-phase Tote Monthly Other: Recyclable bydical A: N A	Truck 5500gal Quarterly	Other (explain) Yearly
Specific Gravity (w Layers: Container Type: Container Size: Frequency: Number of Units (c Texas State Waste Proper U.S. DOT S Class:	ater=1): Single-phase Drum Weekly ontainers):5 Code No: chipping Name: UN/N	Density: Ibs/gal Multi-phase Tote Monthly Other: Cray dable by die A: (A	Truck 5500gal Quarterly PG:	Other (explain) Wearly RQ: MA
Specific Gravity (w Layers: Container Type: Container Size: Frequency: Number of Units (c Texas State Waste Proper U.S. DOT S Class:	ater=1): Single-phase Drum Weekly ontainers):5 Code No:	Density: 8 lbs/gal Multi-phase Tote Monthly Other: Recyclable bydical A: N A	Truck 5500gal Quarterly Orbert	Other (explain) Wearly RQ: MA
Specific Gravity (w Layers: Container Type: Container Size: Frequency: Number of Units (c Texas State Waste Proper U.S. DOT S Class:	ater=1): Single-phase Drum Weekly ontainers): Code No: Chipping Name: UN/N	Density: Ibs/gal Multi-phase Tote Monthly Other: Cray dable by die A: (A	Truck 5500gal Quarterly PG:	Other (explain) Wearly RQ: MA

SECTION 4: Physical and Chemical Data

	COMPONENTS TABLE	Concentration	Units
The	e waste consists of the following materials	Ranges are acceptable	or %
Used Oil		20%	
Antifreeze		5%	
Condensate		5%	
Water		70%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. none

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

TCLP Metals:

TCLP Volatiles:

TCLP Semi-Volatiles:

Please list all incompatibilities (if any): none known

SECTION 8: Generator's Knowledge Documentation

<u>x</u>

<u>X</u>

 $\underline{\mathbf{x}}$

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

Reactivity:	<u>x</u>					
Corrosivity:	<u>x</u>					
Ignitability:	<u>x</u>					
SECTION 9: General	rator's Certification					
attached description	tained herein is based on \(\subseteq \gamma\) is complete and accurate to sition properties exist and tha	the best of my kno	wledge and ability to	determine th	nat no deliberate	or willful

Authorized Signature:

Authorized Signature:

Date: 01/18/07

Printed Name/Title: Robby Mersiovsky/ as agent for generator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robabillayol	Additional Information:
Date: 1-18-07 Approved Rejected	Rec
Approval Number: 2013	

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

YES





VEXT PAGE.

	'Yes', complete this section. LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE N
<u>Mete</u>	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils .	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the w	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.						
(2)		If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.						
	Chromi Copper	um: 0.2 mg/L tum: 8.9 mg/L : 4.9 mg/L 37.5 mg/L						
(3)		raste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.						
		Metals Subcategory						
		Oils Subcategory						
		Organics Subcategory						

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

GATX (Hearne 8014 Proft 2014



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/19/2007

Dear Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2014

Generator: GATX (Hearne)
Address: 1401 W. Brown St.

Hearne, TX 77859

Waste Information

Name of Waste: Emulsified oily water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Water and oil mixture from cleaning of railcars containing hydrocarbon commodities.

Color: dark

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: none known

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 11021

Phone: 713) 676-1460

Fax: (713) 676-1576

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 3016 18
U.S. EPA ID No: TXD008950461 ISWR No: 30900

								######################################
SECTION 1: Gener	noitkmanlal acte	!	,			:	. 1	
Company:	GATX		•	. •	ij	470.0		
Address;	PO Box 969							Name of the last o
City, State, Zip;	Hearne, TX 7785	9						
Contact:	Ricardo Salias			Title:	Me	ager		
Phone No:	979-279-7053			Fax No:	9.4	279-56	64 -	**************************************
24/hr Phone:	979-279-7053				1 1		Ī	
U.S. EPA I.D. No:	N/A		_ 			:	1	***
State I.D.	N/A			SIC Code	B: NA			
SECTION 2: Billing	g Information – 🏻	Same a:	s Aboye			`;		
Company: Address:						•		7
City, State, Zip:					 -i-i:	17	<u> </u>	<u> </u>
Contact:			Title:			1)
Phone No:			Pax No:					
					<u> </u>	· 		A
SECTION 3: Gener	al Description of th	c Wate	<u>e</u>				·	
Name of Waste: Em	ulisified Oily Water	Ì				4.		
Detailed Description commodities		ing Wa	ste: Water and oil	mixture from	cleaning	TRIJCA	rs contain	a bydogulli
Di	57 . 1 •: a			— .			į	
Physical State:	∠iquid ✓		Sludge	Powder	ii	;		Y L
	☐ Solid	יוט	Filter Cake	☐ Combina	tion			į
Color: Dark	•)dor: H	lydrocarbon		!	·4 ·		
			73 1144 244		1:	:		
Specific Gravity (wa	ter=1): <u>1</u>	Den	sity: <u>8.34</u> lbs/gal					
Layers:	Single-phase		Multi-phase			:		
Container Type:	Drum		Tote 5	Truck		··i •	Ab a	Š Šema
Container Size:	L 2			_	-	., .	ther (exp	1611
Contained Dige.		- 1	:	<u>5000</u>	. !!			
_	_			<u></u>	$\mathbb{N} = \mathbb{N}$			
Frequency:	⊠ Weekly		Monthly [Quarter	ly	[] Y	carly	
Number of Units (con		T.	Other:			: .		
Texas State Waste C	ode No: Ro	cycle			.!			
Proper U.S. DOT Sh	ipping Name:		on DOT regulated	oil and water i	mixture	: 11		
Class: NA	UN/N	4: I	NA	PG:	WA		RQ:	NA
Clock Defeat								
Flash Point >200	р Н 3-11		ve Sulfides		Cyanida	! (Solida	į.
Oll&Grease	TOC	Omg/	nc	Omg/I		SATE A	0-3%	
>1600mg/i	N/Amg/l		ne <u>'A</u> mg∕l	Copper N/Amg/I		Mickel M/Amg		
	Y.			TAX MIN		NAME .	<u>''</u>	
	•	1	-1		•			<u> </u>
• • •		l	· · · · · · · · · · · · · · · · · · ·			of the second	07.07	
488664 P.03	ルウモリ ・1	1	. Sous L	IAI LOUMBUES	-⊠ S∃O∐	1.	91:01	287-13-2007

SECTION 4.	Divisional and	Chemical Data
SECTION 4:	Luancai anu	CHCIDICAL DOLL

COMPONENTS TALE	C	centration	
The waste consists of the following materials	Range	Hre acceptable	0.77
Water	80-95		9%
Oil	1-20		8 %
Dirl/Sand	0-2		%

SECTION 5: Safety Related Data

If the bandling of this waste requires the use of special protective equipment, please expension. Standard PPE Required

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazordous waste characteristics, listed below, WAS NOT PRORMED Base Ruper generator knowledge:

TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Resctivity: Corrosivity: Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on 🔀 generator knowledge and/or 🔲 analytical data. I hereby con its many that attached description is complete and accurate to the best of my knowledge and ability to determine the omissions of composition properties exist and the all known or suspected hazards have been disclosed tested are representative of all materials described by this document.

Authorized Signature: Printed Name/Title: Ricardo Salias/Manage

CYS USE	ONLY (D	ONOT WAN	E IN THIS	SPACE)
				<i>a</i> '

Compliance Officer: Kalban RiLe Approved

Additional Information:

Approval Number: 2014

Rejected

41:81 M.ccc. - 4

9792793020

					11	į	Ř.
Ş	ECTION 10: Waste Receipt Classification	Under 40 CFR	437		i i		
}5	this material a wastewater or wastewater slud	ge? 🗌 YES	⊠ NO		i! ;}·.		
If	'Yes', complete this section,						
P	LEASE CHECK THE APPROPRIATE BOX	IF NO APPR	OPRIATE (CATEGORY,	de TO TI	YE NEXT	AGE.
Me	als Subcategory: Subpart A					•	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and Spent anodizing solutions Incincration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 Waste acids and bases with or without meta Cleaning, rinsing, and surface preparation s Vibratory deburring wastewater	mg/l	ectroplating	or phosphatin	g d-reration	16	
	Alkaline and acid solutions used to clean me	tal parts or equi	pment	:			
	Subcategory: Subpart B Used oils Oll-water emulsions or mixtures Lubricants Coolants			· · · · · · · · · · · · · · · · · · ·			
	Contaminated groundwater clean-up from per Used petroleum products Oit spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily source		3 .				
	Non-contact used glycols Aqueous and oil mixtures from parts cleaning				et i		
	Wastewater from oil bearing paint washes	r operations	, .	! .			
Qrga	nics Subcategory: Subpart C		, '4 E .				
	Landfill leachate Contaminated groundwater clean-up from no Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxles for wastewater from organic chemical product of Tank clean-out from organic, non-petroleum	mulation perations	rces				
					11.:		i.

90.4 ¥998874874 CES Environmentel Svcs.

(1)	If the v	waste contains oil and grease at	or in excess of 100 mg/L, the waste should	J.	classified in the c	s subcaregon .
(2)	If the v	vaste contains oil and grease les values listed below, the waste sh	than 100 mg/L, and has any of the pollute ould be classified in the metals subcategor	30 9 : "U	listed below in c	encentracions in muc
	Chrom Copper	um: 0.2 mg/L ium: 8.9 mg/L :: 4.9 mg/L : 37.5 mg/L				
(3)	If the w	vaste contains oil and grease less above any of the values listed ab	than 100 mg/L, and does not have concen		்ரை of cadmium mics subcategory	hromium, copper. :
		Metals Subcategory		11		
		Oils Subcategory		: ; ;		
		Organics Subcategory		H		
SECT)	ON 11:	Additional Instructions				
		Ser's 1414 Wall alle Cit Wild Cit 6226"	n Section 9 and you did not furnish data for CES will send offsite to a commercial laborable generator will be responsible for the officers.	- Isa - '	.x•=	Cadmium, forming these
						71.

13:18

KMCO, Inc. 3015 Prof # 2015



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/22/2007

Dear Bill Glushko

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2015

Generator: KMCO, Inc.

Address: 16503 Ramsey Rd.

Crosby, TX 77532

Waste Information

Name of Waste: Fuel blendstock TCEO Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Petroleum distillate/fuel blendstock mixture

Color: amber

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: stong oxidizing agents and stron bases

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generate	or Information					
Company :	KMCC	>				
Address :	1650	BAMSE	14 39 P			
City, State, Zip:	Crost	XT P	77532			
Contact :	8:11	vlushko	T	itle :		
Phone No :	281-	<u>3256 - 356</u>	<u> </u>	ax:	281-32	8-9528
24 / HR Phone :						
U.S EPA I.D No :	LOGX	4198961				
State I.D:	3190	4	S	IC Code		
SECTION 2: Billing I	nformation					
Company :	Kmco					
Address :	16503	RAMS	ey 94			
City, State, Zip :	2013	54 T.	<u> </u>			
Contact:	13:11	blushico	<u>, </u>	itle :		
Phone No:			F	ax:		
SECTION 3: General	l Description of t	ne Waste				
Name of Waste :	fuel 3	61=~25to	ck			
Physical State :	Liquid Solid	☐ Slu ☐ Filt	er Cake Comi			
Color:	_A	mber	Odor :	.=	Hydroc	200 - 100 -
Specific Gravity (\	Water=1):	.8-1-1	Density:		6.7-9	lbs / gal
Layers :	ズ Single-F	Phase Mu	Iti-Phase			
Container Type :	Drum	Tote	∑ Truck □ C	ther (expl	ain)	
Container Size :			145 0009			
Number Of Units	: 50		**			
Texas State Wast		RECY		x		
Proper U.S. State	Waste Code No	o: Flamm	Simpil 31da	, NO	S (ROW) R	no Setroleum
Class: 3		UN/NA: NA	993 PG:	W	·	RQ:
Flash Poin	it	βH	Reactive Sulfides	Reacti	ve Cyanides	Solids
>80°<1	40° F	NA	N/A mg/i	~	A mg/l	0-1 %
Oil and Grea	nse mg/l	T QC mg/l	Zinc \)\\ \ \ mg/l		Copper	Nickel
V [7]	_ '''9'' 	<i>V</i> / / mg/l	1 <u>0</u> 17	1	N/t = mg/l	$\mathcal{N}_{\mathbf{A}}$ mg/l

SECTION 4: Physical and Chemical Data	
PEtrolæum Distillates (lube, mineral oil) (NAPIL	na) 0-90%
MixES XYIENES	0-90%
water	0-50
SECTION 5: Safety Related Data	
If the handling of this waste requires the use of special protective equipment, please explain.	
Standard PPE	
SECTION 6: Attached Supporting Documents	
List all documents, notes, data, and/or analysis attached to this form as part of the waste approx	val package.
MSDS NO. MI160	
SECTION 7: Incompatibilities	
Please list all incompatibilities (if any):	
Strong oxidizing Agents, strong bases	
SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORME	D based upon the following
generators knowledge	b based apon the following
TCLP Metals:	
TCLP Volatilies :	
TCLP Semi-Volatiles :	
Reactivity:	·
Corrosivity:	
Ignitability:	
SECTION 9: Generator's Certification	An I berneber namiter Abrak Abra
The information contained herein is based on generator knowledge and/or analytical da above and attached description is complete and accurate to the best of my knowledge and ability deliberate or willful omissions of composition properties exist and that all known or suspected it certify that the materials tested are representative of all materials described by this document.	y to determine that no nazards have been disclose
Authorized Signature: NA . fer hot f bornon Date: 1	-22-07
Printed Name / Title :	
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Special Pricin	g / Analytical Info:
Compliance Officer: Rubhall Myide Produ	it - Religible
Date: 1-22-07 Status: pproved Rejected Recommen	ded Treatment:
Approval Number :	

SECTIO	ON 10: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge ? ☐ YES 💢 NO
If 'YES	, complete this section
PLEAS	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matals	Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils Si	ubcategory: Subpart B
	Used oils
_	Oil-water emulsions or mixtures
_	Lubricants
$\overline{\Box}$	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	ics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources



ation: 2/20/03

Revision: 0

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Petroleum distillate/fuel blendstock

Chemical Formula: Mixture CAS Number: Mixture

Synonyms:

General Use: fuel blendstock

Manufacturer: KMCO, LP 16503 Ramsey Road, Crosby, Texas 77532, Phone (281) 328-3501, FAX (281) 328-9528

24-HOUR EMERGENCY NUMBER: CHEMTREC 1-800-424-9300

Ingredient Name	CAS Number	% wt <i>or</i> % vol
Ethanol	64-17-5	0-90%
Toluene	108-88-3	0-90%
Petroleum distillates (lube, mineral oil), (naptha)	8002-05-9	0-90%
Mixed xylenes	1330-20-7	0-90%
Water		0-50%

•	OSHA PEL		ACG	ACGIH TLV		NIOSH REL	
Ingredient	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Ethanol	1000 ppm_	None estab	1000 ppm	None estab	1000 ppm	None estab	3300 ppm
Petroleum distillate	500 ppm	None estab	None estab	None estab	None estab	None estab	
Xylene	100 ppm	None estab	100 ppm	150 ppm	100 ppm	150 ppm	None estab
Toluene	100 ppm	None estab	1090 ppm	None estab	100 ppm	None estab	500 ppm
Water	None estab	None estab	None estab	None estab	None estab	None estab	None estab

Section 3 - Hazards Identification

፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟ Emergency Overview ፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟፟ FOR INDUSTRIAL USE ONLY

Potential Health Effects

HMIS H 2 F 3 R 0

Acute Effects

Inhalation: Vapors can be irritating to eyes, nose and respiratory tract.

Eye: May be mildly irritating to the eyes.

Skin: Liquid is moderately irritating to the skin and could cause dry skin and dermatitis.

Ingestion: Moderately toxic. Can cause CNS depression, nausea, dizziness, vomiting and unconsciousness.

Carcinogenicity:

Medical Conditions Aggravated by Long-Term Exposure: May aggravate an existing dermatitis, throat or respiratory condition.

Chronic Effects: No adverse effects anticipated from available information.

Section 4 Thirst Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, Get medical attention.

Skin Contact: Remove contaminated clothing and wash affected skin area thoroughly with soap and water. If skin irritation develops or persists, seek medical attention. Dispose of contaminated clothing in compliance with Federal, State, and local regulations.

Ingestion: Induce vomiting, Get medical attention.

After first aid, get appropriate in-plant, paramedic, or community medical support.

MATERIAL SAFETY DATA SHEET

NFPA



rocedures:

Section 5 - Fire-Fighting Measures

Flash Point: 80 - 140 °F Flash Point Method:

Burning Rate: Not Determined

Autoignition Temperature: Not Determined.

LEL: Not Determined. UEL: Not Determined.

Flammability Classification: Severe fire hazard when exposed to heat or flame Extinguishing Media: Foam, Dry Chemical, Carbon Dioxide, Water Fog

Unusual Fire or Explosion Hazards: Dangerous when exposed to heat or flame. Can react with oxidizing materials.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, and unidentified organic compounds

Fire-Fighting Instructions: Use waterspray to cool surfaces. Do not use direct water stream to extinguish fires. Product may travel with water and reignite.

Fire-Fighting Equipment: Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure mode.

Section 6 Accidental Release Measures

Spill/Leak Procedures: Remove all ignition sources, safely shut of source and contain spilled material. Use protective equipment in emergency and cleanup situations. Restrict water use during cleanup.

Small Spills: Contain with inert absorbent.

Large Spills

Containment: Use explosion proof pump to recover liquid. Spilled material and contaminated water or soil may be hazardous to human or other life forms.

Cleanup: Spilled material becomes a hazardous waste. Material must be disposed of in accordance with all Federal, State, and Local regulations.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7= Handling and Storage

Handling Precautions: Handle material in a well-ventilated area to minimize potential exposure hazard.

Storage Requirements: Store out of direct sunlight and in a cool well-ventilated area.

Regulatory Requirements:

Section 8 Exposure Controls Personal Protection

Engineering Controls: Controls should be such that adequate ventilation is provided.

Ventilation: Provide general or local exhaust ventilation systems. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls: Normal industrial requirements should be in place.

Respiratory Protection: Air-purifying respirator can be used in a well-ventilated environment where exposure above PEL/TLV is unlikely. If working in an enclosed area approved supplied air or self-contained breathing apparatus (SCBA) should be used.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

MATERIAL SAFETY DATA SHEET

Section 9 - Physical and Chemical Properties

State: Liquid

rance and Odor: Liquid with typical odor

Odor Threshold: Not determined Vapor Pressure: 0.01-2.5 @ 20°C Vapor Density (Air-1): Not determined Formula Weight: Not applicable - mixture

Density: 6.7 - 9.0 lbs/gallon

Specific Gravity (H₂O=1, at 20/20 °C): 0.8 - 1.1 @ 25°C

pH: Not determined

Water Solubility: Not determined Other Solubilities: Not determined

Boiling Point: 100 - 200 @ 220 MM Hg, typical Freezing/Melting Point: approx. - 40°C

Viscosity: 1 – 15 st @ 40°C

Refractive Index: Not determined Surface Tension: Not determined

% Volatile: Not determined

Evaporation Rate (BuAc=1): Not Determined

Section 10-Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Will not occur.

Chemical Incompatibilities: Strong oxidizing agents, strong bases Conditions to Avoid: Heat and flame, ignition sources, imcompatabilities

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, steam and other unidentified organics.

Section II I oxicological Information

Toxicity Data:*

Eye Effects: Mildly to severely irritating to eyes

Skin Effects: Mildly irritating to skin

Inhalation: Can cause headache, drowsiness,

Fatigue

Ingestion: Can cause liver and kidney damage

Acute Inhalation Effects: Can cause liver and kidney damage
Acute Oral Effects: Can cause liver and kidney damage

Chronic Effects: Repeated small exposure via any means can cause

severe kidney problems. Skin allergy can develop.

Carcinogenicity: Not classifiable as a human carcinogen

Mutagenicity: Teratogenicity:

Section 12 | Geological Information

Ecotoxicity: Data not available.

Environmental Fate: Data not available.

Environmental Degradation: Data not available.

Soil Absorption/Mobility: Data not available.

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements: Consult current Federal, state, and local regulations.

Container Cleaning and Disposal: Dispose of container and unused contents in accordance with Federal, state, and local requirements.

Section 14 Leansport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Flammable,

liquid, n.o.s. (contains petroleum

distillate)

Shipping Symbols:

Hazard Class: 3

ID No.: NA 1993

Packing Group: 3

Label: Flammable Liquid

Special Provisions (172.102):

Packaging Authorizations

a) Exceptions:

b) Non-bulk Packaging:

c) Bulk Packaging:

Quantity Limitations

a) Passenger, Aircraft, or Railcar:

b) Cargo Aircraft Only:

Vessel Stowage Requirements

a) Vessel Stowage:

b) Other:

MATERIAL SAFETY DATA SHEET

Page 3 of 4

^{*} See NIOSH, RTECS, for additional toxicity data.

KŲCO

Section 15 Regulatory Information

CEP CLA Reportable Quantity (RQ): Toluene-1000 lbs. Mixed xylenes - 100 lbs.

SARA 311/312 Codes: Toluene, Xylene SARA Toxic Chemical (40 CFR 372.65):

SARA EHS (Extremely Hazardous Substance) (40 CFR 355):.

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Xylene

OSHA Specifically Regulated Substance (29CFR 1910):

Section:16 - Other Information

Prepared By: KMCO,LP. Revision Notes: New MSDS.

Additional Hazard Rating Systems: None

Disclaimer: This product is FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

KMCO, LP. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. No warranty of fitness for any particular purpose, warranty of merchantability, or any other warranty expressed or implied, is made concerning the information provided herein. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use of the product and of the information referred to herein are beyond the control of KMCO,LP., KMCO, LP. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

For additional product information, please contact the KMCO, LP., Sales Office at 281-885-1234.

Page 4 of 4

MATERIAL SAFETY DATA SHEET





4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

Modified /

SECTION 1: Mater	ial Producer Informa	llon			
Company:	KMCO, Inc.				
Address:	16503 Ramsey Ro	l. 16503 Ramsey Roa	d		
City, State, Zip:	Crosby TX 77532				
Contact:	Bill Glushko W	ende grav	Til	tie:	
Phone No:	(281) 328- 3501 -	0223	Fa	x: 281-328-9528	0291
24/HR Phone:	281.705	5.5279			
U.S EPA I.D No:	TXD074198961				
State I.D:	31904		Si	C Code na	er en en en en en en en en en en en en en
SECTION 2: Billing	Information				
Company:	KMCO, Inc.				A-1
Address :		. 16503 Ramsey Road	<u> </u>		
	Crosby TX 77532	(No C			
Contact:		endic gran		le:	<u> </u>
Phone No:	(281) 328-3 501	0223	Fa	x: 281-328-9528	0291
SECTION 3: Gener	al Description of the	Material / Product			
Name of Wateira	I / Product :Flamma	able Fuel blendstock (I	ght ends)		
Detailed Descrip	tion of the Process	Generating or Produ	icing the Material /	Product:	
•	te/fuel blendstock m		•		
Physical State:	∠ Liquid	[] Sludge	☐ Powde	ř	
	Solid	☐ Filter Cake	Combi	nation	
Color:		amber	Odor:		nydrocarbon
Specific Gravity	(Water=1) :	.8-1.1	Density:	6.	7-9 lbs / gal
Does this material	contain any total phe	nolic compounds?	Yes] No	
		stituted phenolic comp	ounds?	es 🗌 No	
Layers:	✓ Single-Pha	s 🗌 Multi-Pha	ise		
Container Type :	Drum [Ţ Tote ☑	Truck 🗌 Ot	her (explain)	
Container Size :	6000				
Number Of Units					
					-91 - 4416 o. t N
Proper u.s. DOT	Shipping Name:	Flan	nmable Liquids, n.o.	.s., (contains petroleum	distillates)

Flash Point 10 80-140	pH (Reactive Sulfides na mg/l	Reactive Cyanides na mg/l	Solids 0-1 %
Oil and Grease	TOC	Zinc	Copper	Nickel
· <u>na</u> mg/l	na mg/l	na mg/l	namg/l	na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
petroleum distillates (lube, mineral oil), (naptha)	0-90	%
mixed xylenes	0-90	%
water	0-50	%
1/colune	0-99	0/0
	•	

SECTION 5: Safety Re	lated Data
----------------------	------------

If the handling of this material / product requires the use of special protective equipment, please explain. Standard

SECTION 6:	Attached	Supporting	Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): stong oxidizing agents and stron bases

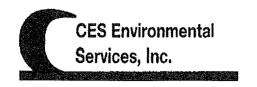
SECTION 8: Material Producer's Certification

The information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature :	Wards M. Klax Blogs Date:	NOV. 5,08
Printed Name / Title :	MADIE W CAST ENSOS	<i>f</i>

		-71-Y-17		
CES USE ONLY (DO NOT WRITE	IN THIS SPACE)	Process Facility Information :		
Compliance Officer :				
	Approved	Rejected		
				•
			ייייי בייייייי לייייייייייייייייייייייי	Hamilton print de
Date:S	tatus:			

Approval Number:



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-2015
-----------------------	----------

Customer:

KMCO, Inc.

Waste Generator:

KMCO, Inc.

Waste Stream Name:

Flammable Fuel blendstock (light ends)

Expiration Date:

1/22/2009

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Analysis is NOT required for recertification

Please send new profile as waste stream

has changed.

Conco/ Glushla

Customer Name

Justico Signatura

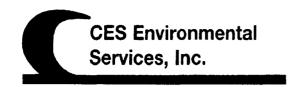
Kmco EN Mgp Company / Title

4/29/09

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles

Reactivity Corrosivity Ignitability Texas Water Managemedo16 Rof# 2016



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/22/2007

Dear Mark

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2016

Generator: Texas Water Management

Address: 71 Alden Glen Dr

The Woodlands, TX 77382

Waste Information

Name of Waste: Fuel oil, gasoline, and water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Fuel oil, gasoline, and water mixture

Color: clear to amber

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: none

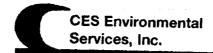
Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

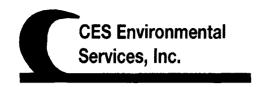
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	tor Information			
Company:	TEXAS WATER	MANAGEMENT		
Address :	71 Alden	blen Dr.		
City, State, Zip:	The woodla		77382	
Contact :	MARK		Title: OKES	Link
Phone No:	281-685-4	420 F		321-9792
24 / HR Phone :	281- 685 - 1	1420		30, (1)
U.S EPA I.D No :	MA			1
State I.D :	NIA		SIC Code N	1A
	, ,			
SECTION 2: Billing I	nformation		,	
Company:	town caxal	er MANAGEME	tn	
Address :	71 Alden	blen De		
City, State, Zip:	the wood			
Contact:	MALK		itle: PCES	12004
Phone No:	281-685-443	F	ax: 9(36 -	321-9792
SECTION 3: General	Description of the Waste			·
Name of Waste :	FUEL OIL GA	Land		
	1001 011	JOHN WATE		
Physical State :	☑ Liquid ☐	Sludge Powd	er	
	Solid	Filter Cake Comb	pination	
Color:		A	1, 1	
		Amper Odor:	- Aydroc	Arbon bas
Specific Gravity (W	/ater=1): 675-	80 Density:		p・サヱ´ lbs / gal
Layers :	Single-Phase	Multi-Phase		
Container Type:	Drum Tote	Truck 🗍 O	ther (explain)	
Container Size :		<u> </u>		
Number Of Units:	20			
Texas State Waste	Code No: RECYCL	ep/E		
	Vaste Code No: Flam.		, NO.S.	
Class:	UN/NA: 19			RQ: N/A
				——————————————————————————————————————
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solids
< 140	N/A	1/9 mg/l	M/A mg	9/1 0 %
Oil and Grease	TQC	Zinc	Copper	Nickel
\	ma/l N/k ma/		N/A mo	

Fuel oil	1.6
fuel or l	0-9045
Gasoline	0-90 %
water	0-40 %
SECTION 5: Safety Related Data	
If the handling of this waste requires the use of special protective of	equipment, please explain.
Standard PRE	
SECTION 6: Attached Supporting Documents	
List all documents, notes, data, and/or analysis attached to this for	m as part of the waste approval package.
None	
SECTION 7: Incompatibilities	
Please list all incompatibilities (if any):	
None	
Laboratory analysis of the hazardous waste characteristics, listed by generators knowledge TCLP Metals: TCLP Volatilies: TCLP Semi-Volatiles: Reactivity: Corrosivity: SECTION 9: Generator's Certification The information contained herein is based on particular contained herein is complete and accurate to the best deliberate or willful omissions of composition properties exist and to be certify that the materials tested are representative of all materials of Authorized Signature:	edge and/or analytical data. I hereby cerity that the st of my knowledge and ability to determine that no that all known or suspected hazards have been discloss described by this document.
Printed Name / Title :	Date: 1-22-07
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info: Must run Inbound Load
Compliance Officer: Polithers That	Report to check for water content.
Date: 1-22-07 Status: Approved Rejected	Pricing
Approval Number: 2016	if < 3000 gal :45/9Al

SECTION 4: Physical and Chemical Data

SECT	ION 10: Waste Receipt Classification Under 40 CFR 437
Is this	s material a wastewater or wastewater sludge? ☐ YES ☐ VO
If 'YE	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phospha Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
_	Bilge water Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
_	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	·
	Wastewater from oil bearing paint washes
Organ	lics Subcategory Subpart C Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
[_]	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-2016

Customer: <u>Texas Water Management</u>

Waste Generator: <u>Texas Water Management</u>

Waste Stream Name: Fuel oil, gasoline product

Expiration Date: <u>1/22/2009</u>

As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.

Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)

No changes, please recertify.

Please send new profile as waste stream has changed.

Texas Water Management

0////

Company / Title

4/28/09

Date

Analysis is NOT required for recertification.

The following analysis is required for recertification. Please sumbit results of the following tests.

TCLP Metals
TCLP Volatiles
TCLP Semi-volatiles

Reactivity Corrosivity

Ignitability

Kinden Morgan (Pasadena 2017 Rof # 2017



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/23/2007

Dear Lance Wilev

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2017

Generator: Kinder Morgan (Pasadena Facility)

Address: 530 Witter St.

Pasadena, TX 77506

Waste Information

Name of Waste: Diesel / gas water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Diesel / gas water mixture

Color: clear to brown

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

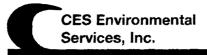
Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

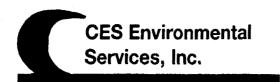
SECTION 1: Generator Inf	ormation	•		
Company:	inder Morga	n (Pasaden	A FACILIA	<u> </u>
Address :	530 w:44e'r	<u>st.</u>		
City, State, Zip:	T ANJEARA	TX 77506	<u> </u>	
Contact:	ANCE Wiley	Ti	tle :	
Phone No:	113- 724-49	12 Fa	ax:	
24 / HR Phone :				
U.S EPA I.D No :	ALCEIOLOCX			
State I.D:	30772	SI	C Code NA	
SECTION 2: Billing Inform	ation			
Company:	Linder moran	<u> </u>		
Address :	530 wither	27		
	ASAZENA TX	77506		
Contact :	LANCE Wiles		tle:	
Phone No :	113- 754-401	12 Fa	ix:	
SECTION 3: General Desc	rintion of the Waste			
Name of Waste :	Miccol an	water mis	Luca	
	Dieser 1945	<u> </u>		and the following of the State
Physical State:	/ Liquid SI	udge Powde	er	
	Solid Fil	Iter Cake Comb	ination	<u>L</u>
Color:	Clear to	Down Odor:	Myches	carbon leas
Specific Gravity (Water		.80 Density:	6.1 -	6.6 lbs/gal
Layers :	Single-Phase M	ulti-Phase		
Container Type :	Drum 🗓 Tote	Truck 🖸 O	ther (explain)	
Container Size :		6000 gar		
Number Of Units :	20			
Texas State Waste Cod				
	e Code No : VASC	1.		
_				
Class :	UN/NA: NA	993 PG:		RQ:
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solids
C140	N	N/A mg/l	W/A mg/l	%
Oil and Grease	ŢOC	Zinc	Copper	Nickel
NI ma		1.)\1 mg/l	Mk mg/l	1) k mg/l

Diegel / GAS	0-90%
Water	0-90%
	70
SECTION 5: Safety Related Data	
If the handling of this waste requires the use of special protection of the handling of this waste requires the use of special protection.	ve equipment, please explain.
SECTION 6: Attached Supporting Documents	
List all documents, notes, data, and/or analysis attached to this	form as part of the waste approval package.
Nove	
SECTION 7: Incompatibilities	
Please list all incompatibilities (if any):	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, listegenerators knowledge	ed below, WAS NOT PERFORMED based upon the following
TCLP Metals : /	
TCLP Volatilies : /	
TCLP Semi-Volatiles :	
Reactivity:	
Corrosivity:	
Ignitability: /	
SECTION 9: Generator's Certification	
The information contained herein is based on $ \nabla $ generator known above and attached description is complete and accurate to the deliberate or willful omissions of composition properties exist a licertify that the materials tested are representative of all materials	best of my knowledge and ability to determine that no nd that all known or suspected hazards have been disclose
Authorized Signature: NOT NEEDED DER M	Att Bowm Date:
Printed Name / Title :	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info:
Compliance Officer: Robbarthan	NO Charge, NO Trans FEE
Date: 1-23-07 Status: (Approved) Re	ected Recommended Treatment:
Approval Number:	

SECTION 4: Physical and Chemical Data

SECTIO	N 10: Waste Receipt Classification Under 40 CFR 437
ls this	material a wastewater or wastewater sludge? YES YNO
If 'YES	, complete this section
PLEAS	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAG
	Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters
	Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phospha Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation wastes Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from paint washes Wastewater from oil bearing paint washes
	ics Subcategory Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bering wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesive and/or epoxies formulation Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

Brenntag 3018 Prof # 2018



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/25/2007

Dear Dave Allen

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2018

Generator: Brenntag

Address: 14826 Hooper Road

Houston, TX 77047

Waste Information

Name of Waste: Alkaline water TCEO Waste Code #: 10371141

Container Type:

Detailed Description of Process Generating Waste:

Spill of unused NaOH product from tank into containment mixed with rainwater

Color: clear

Odor: none

pH: 9-11

Physical State:

Incompatibilities: acids

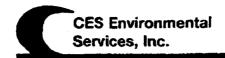
Safety Related Data/Special Handling:

Level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

200

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:	Brenntag Southwe			
Address:	14826 Hooper Ros			
City, State, Zip:	Houston, TX 770	47		
Contact:	Dave Allen		Title:	Facility Manager
Phone No:	713-433-6771		Fax No:	713-433-8572
24/hr Phone:	CES-713-676-146	0		
U.S. EPA I.D. No:	TXD062128004			A
State I.D.	30205		SIC Code:	NA
SECTION 2: Billing	Toformation - X	Some as Ahoya		
Company:	Into mation - VA	Saine as Above		
Address:		 		
City, State, Zip:		Title:		
Phone No:		Fax No:		
SECTION 3: Gener	al Description of the	e Waste		
Name of Waste: Alk				
Detailed Description	of Process Generat	ing Waste: Spill of unused	<u>i NaoH product f</u>	rom tank into containment mixed with rain
water				
	_			
Physical State:	🛛 Liquid	☐ Sludge	Powder	
	Solid	Filter Cake	Combinatio	on .
				· -
Color: Clear	(Odor: none		
Color: Cical	•	or. none		
	. 45 - 55	- · · · · · · · · · · · · · · · · · · ·		
Specific Gravity (wat	ter=1): <u>1.02</u>	Density: 8 lbs/gal		
	_			
Layers:	Single-phase	Multi-phase		
Container Type:	□ Drum	☐ Tote □	☑ Truck	Other (explain)
Container Size:		L., 1000		C comes (expense)
Container Size:			<u>5000</u>	
Frequency:	☐ Weekiy	Monthly [Quarterly	
Number of Units (cor		Other:		<u></u>
•	, 			
Texas State Waste Co	ode No:	/ / / //	47	
Proper U.S. DOT Shi	ipping Name:	Non-RCRA; Non-D	OT Regulated M	aterial
•				
Class: NA	UN/N	A: NA	PG: N	A RQ: NA
Flash Point	рН	Reactive Sulfides	Reactive C	<u>-</u>
<u>>140</u>	<u>9-11</u>	Omg/I	Omg/l	0-2%
Oil&Grease	TOC	Zinc	Copper	Nickel
<1500ma/l	<1500mg/l	Oma/I	Oma/I	Oma/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	ог %
Sodium Hydroxide	2-10	%
Water	90-98	%
dirt	0-2	%

SECTION	5: Safety	Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

SECTION 6: Attached Supporting Documents

List all	documents,	notes, data,	and/or ana	lysis attached to t	his form as	part of the wast	e approval package.
none	Test to	zpH	before	shipping	1-00		
SECTI	ON 7: Incon	<i>'</i> anatibilities	jour	John A	1700	1 -103	1

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

acids

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	21/14	Date: 1/25/07
Printed Name/Title:	DAVID C. ALLEN / OPERATIONS	MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Robber Thy	Additional Information:
Date: 1-25-07 Approved Rejected	16
Approval Number:2018	

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
PI	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	els Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils :	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

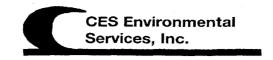
Oils Subcategory

Organics Subcategory

Metals Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Sample Evaluation Form

Sample ID #	Date/////
Please Complete This Section	
Generator / Customer Name: Prenatas	
Name or Type of Waste: (945/ic in water	10014aignent mixed
Process Generating Waste: (945 tic Spilling	containment mixed
Number of Samples: Submitted By: 6B	
Analysis To Be Completed : I /-/ — #	i
Turnaround Time :	
Other:	
(Lab Use Only)
Sample Results: PH 10.5; TOC 1025 p	P ~
Suggested Method of Treatment : W _ TRATA	nert
Suggested Price Range : <u>0.10 g al</u>	
Sample Results Reported to	
Test Completed By: A Date: 01/19/07	Time: 1.40 pm

PGI International 2019
Roof # 2019



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/25/2007

Dear Phil Orth

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2019

Generator: PGI International Address: 16101 Vallen Dr

Houston, TX 77041

Waste Information

Name of Waste: Recyclable RCRA empty containers (damaged)

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Damaged RCRA empty containers last containing coolant

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:	PGI International			
Address:	16101 Vallen Drive			
City, State, Zip:	Houston, TX 77041			
Contact:	Stephen Stars		Title:	Plant Engineer
Phone No:	713-744-9782		Fax No:	713-744-9891
24/hr Phone:	832-6562353			
U.S. EPA I.D. No:	TXCESQG			
State I.D.	CESQG		SIC Code:	
State I.D.			Sic Couc.	
SECTION 2: Billing Company: Address: City, State, Zip:	Information - 🛛 Sa	me as Above		
Contact:		Title:		
Phone No:		Fax No:		
		T GAT TO		
SECTION 3: Gener	al Description of the V	<u>Waste</u>		
	yclable RCRA Empty of Process Generating		Empty Containe	ers Last Containing Coolent.
Physical State:	☐ Liquid ☑ Solid	☐ Sludge ☐ ☐ Filter Cake ☐	Powder Combination	•
Color: Varies	Od	or: None		
Specific Gravity (wat	ter=1): <u>1</u>	Density: 8 lbs/gal		
Layers:	Single-phase	Multi-phase		
Container Type:	☐ Drum	⊠ Tote □	Truck	Other (explain)
Container Type. Container Size:	Drum	250	Truck	other (explain)
Container Size:		<u>230</u>		
Frequency:		Monthly	Quarterly	
Number of Units (co		Other:		
•	,			
Texas State Waste Co	ode No: Recy	cie		
Proper U.S. DOT Shi		Recyclable RCRA Emp		
Class: Na	UN/NA:	Na	PG: Na	RQ: Na
Flash Point	•	Reactive Sulfides	Reactive Cy	
<u>Na</u>		lamg/l	Namg/I	100%
Oil&Grease	TOC		Copper	Nickel
Namg/I	Namo/I	Namg/I	Vamo/I	Namg/I

TD1	COMPONENTS TABLE		Concentration	Units
i ne wa	ste consists of the following materials	6	Ranges are acceptable	or %
RCRA Empty Contain	ers Last Containing Coolent		· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·				
				+
				+
				+
CECTION 5. C c / D				
SECTION 5: Safety R	celated Data			
	waste requires the use of special prote	ective equipment, ple	ease explain.	
Level D PPE				
SECTION 6. Attachas	d Supporting Documents			
		this form as ====4 · 6 ·	ha	
List all documents, not None	es, data, and/or analysis attached to t	this form as part of t	ne waste approval packa	ge.
1 TOILE				
SECTION 7: Incompa	<u>itibilities</u>			
Please list all incompat				
None	ibilities (ii any).			
				
SECTION 8: Generat	or's Knowledge Documentation			
T 10		11 4 1 E 1 . 337 A 61 N	OR BEDECONATO I	
Laboratory analysis of generator knowledge:	the hazardous waste characteristics,	listed below, WAS N	OT PERFORMED base	ed upon the following
generator knowledge:				
TCLP Metals:	X			
	<u>X</u> <u>X</u>			
TCLP Volatiles: TCLP Semi-Volatiles:	$\frac{X}{X}$ X			
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity:	$\frac{X}{X}$ $\frac{X}{X}$ $\frac{X}{X}$			
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity:	X X X X X			
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity:	$\frac{X}{X}$ $\frac{X}{X}$ $\frac{X}{X}$ $\frac{X}{X}$ $\frac{X}{X}$			
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate	_			
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate	or's Certification	avyladaa anil/an □ au	obstical data. I hovely, on	wife, shoot the cohesin
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain	or's Certification ed herein is based on ⊠ generator kno	owledge and/or □ an	alytical data. I hereby ce	rtify that the above
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is	or's Certification ed herein is based on ⊠ generator known g	my knowledge and a	bility to determine that i	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition	ed herein is based on \(\sum \) generator know complete and accurate to the best of properties exist and that all known of	my knowledge and a or suspected hazards	bility to determine that i	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition	ed herein is based on \(\sum \) generator know complete and accurate to the best of an properties exist and that all known of all materials described by this documents of the second o	my knowledge and a or suspected hazards nent.	bility to determine that a have been disclosed. I co	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition tested are representative	ed herein is based on \(\sum \) generator know complete and accurate to the best of an properties exist and that all known of all materials described by this documents of the second o	my knowledge and a or suspected hazards nent.	bility to determine that a have been disclosed. I co	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition tested are representative Authorized Signature:	ed herein is based on \(\sum_{\text{generator}} \) generator known complete and accurate to the best of an properties exist and that all known of all materials described by this documents of the complete that the complete is a complete in the complete is a complete that the complete is a complete in the complete is a complete in the complete is a complete in the complete is a complete in the complete is a complete in the complete in the complete is a complete in the comple	my knowledge and a or suspected hazards	bility to determine that a have been disclosed. I co	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition tested are representative Authorized Signature:	ed herein is based on \(\sum_{\text{generator}} \) generator known complete and accurate to the best of an properties exist and that all known of all materials described by this documents of the complete that the complete is a complete in the complete is a complete that the complete is a complete in the complete is a complete in the complete is a complete in the complete is a complete in the complete is a complete in the complete in the complete is a complete in the comple	my knowledge and a or suspected hazards nent.	bility to determine that a have been disclosed. I co	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition tested are representative Authorized Signature:	ed herein is based on \(\sum_{\text{generator}} \) generator known complete and accurate to the best of an properties exist and that all known of all materials described by this documents of the complete that the complete is a complete in the complete is a complete that the complete is a complete in the complete is a complete in the complete is a complete in the complete is a complete in the complete is a complete in the complete in the complete is a complete in the comple	my knowledge and a or suspected hazards nent.	bility to determine that a have been disclosed. I co	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition tested are representative Authorized Signature:	ed herein is based on \(\sum_{\text{generator}} \) generator known complete and accurate to the best of an properties exist and that all known of all materials described by this documents of the complete that the complete is a complete in the complete is a complete that the complete is a complete in the complete is a complete in the complete is a complete in the complete is a complete in the complete is a complete in the complete in the complete is a complete in the comple	my knowledge and a or suspected hazards nent.	bility to determine that a have been disclosed. I co	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition	ed herein is based on \(\sum_{\text{generator}} \) generator known complete and accurate to the best of an properties exist and that all known of all materials described by this document of the bes	my knowledge and a or suspected hazards nent.	bility to determine that a have been disclosed. I co	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is composition tested are representative Authorized Signature: Printed Name/Title: N	ed herein is based on \(\sum \) generator known generator kno	my knowledge and a or suspected hazards nent.	bility to determine that a have been disclosed. I contain the Date: 01/25/07	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition tested are representative Authorized Signature: Printed Name/Title: N	ed herein is based on \(\sum \) generator known generator kno	my knowledge and a or suspected hazards nent.	bility to determine that a have been disclosed. I contain the Date: 01/25/07	no deliberate or wil
TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generate The information contain attached description is comissions of composition tested are representative Authorized Signature: Printed Name/Title: N CES USE ONLY (DO NOT V.) Compliance Officer:	ed herein is based on \(\sum \) generator known generator kno	my knowledge and a or suspected hazards nent.	bility to determine that a have been disclosed. I contain the Date: 01/25/07	no deliberate or wil

2019

Approval Number:

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? YES ⊠ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Notional Oilwell Variabado Prof # 2020



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/25/2007

Dear Melissa Geigley

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2020

Generator: National Oilwell Varco **Address:** 12950 W. Little York

Houston, TX 77041

Waste Information

Name of Waste: Quench tank sludge TCEQ Waste Code #: 00076031

Container Type:

Detailed Description of Process Generating Waste:Metal slag sludge removed from bottom of quench tank

Color: dark grey / black rusty Odor: none pH: n/a

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information				
Company:	National Oillwell V	Varco			
Address:	12950 W. Little Yo	ork			
City, State, Zip:	Houston, TX 7704	11			
Contact:	Melissa Geigley		Title:	HSE Mar	nager
Phone No:	(713) 856-4145		Fax No:	(713) 937	7-5022
24/hr Phone:	(281) 387-7813		-		
U.S. EPA LD. No:	TXT490014180		_		
State I.D.	32145		_ SIC Code:	NAICS 3	33132
SECTION 2: Billing Company: Address:	Information – 🛭 S	Same as Above			
City, State, Zip:		Title:	·		
Phone No:	<u> </u>	Fax No:			
r none No.		rax No.			
SECTION 3: Genera	al Description of the	e Waste			
Name of Waste: Que Detailed Description		t <u>e</u> ing Waste: <u>Metal slag slud</u> i	ge removed from	bottom of	quench tank
Physical State:	Liquid	⊠ Sludge [Powder		
i nysicai Sazioi	☐ Solid	Filter Cake	Combination		
	□ 20110	Fitter Cake	1 Commuscion	D	
Color: Dark Grey/Bla	ck Rusty O	dor: <u>None</u>			
Specific Gravity (wat	ter=1): <u>1.5</u>	Density: 15 lbs/gal			
Layers:	☐ Single-phase	Multi-phase			·
Container Type:	□ Drum	Tote	Truck		Other (explain)
Container Size:	55-gal				
Container Size.	<u>50 95</u> ,				-
	_			F**	
Frequency:	☐ Weekly	☐ Monthly ☐	Quarterly	\boxtimes	Yearly
Number of Units (cor	ntainers): <u>10</u>	Other:			
Texas State Waste Co	ode No: 000	076031			
Proper U.S. DOT Shi	pping Name:	Non DOT regulated r	naterial		·
Class: N/A	UN/NA	A: N/A	PG: N/A	4	RQ: N/A
	2.3.11				
Flash Point	pH	Reactive Sulfides	Reactive C	vanides	Solids
>140	N/A - Solid	Nonemg/I	Nonemg/I) amues	100%
Oil&Grease	TOC	Zinc	Copper	Nie	ckel
< 5,000 mg/l	N/Amg/I	N/Amg/I	N/Amg/I		Amg/i

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materia	Concentration Is Ranges are acceptable	Units or %
Metal Slag	98-100	%
Water	0-2	%
PPE Debris	0-5	%
	·	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. None

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MES Lab# 7010180

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

See Analytical

TCLP Volatiles:

No volatiles are introduced into process

TCLP Semi-Volatiles:

No semi-volatiles are introduced into process

Reactivity:

No reactive materials are introduced into process

Corrosivity:

No corrosive materials are introduced into process

Ignitability:

No flammable materials are introduced into process

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Date: 1/24/2007 Printed Name/Title: Melissa Geigley	
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Loubeut They Additional Information:	
Date: 1-25-07 Approved Rejected OSL	
Approval Number: 2020	

<u>s</u>	ECTION 10: Waste Receipt Classification Under 40 CFR	437	
İs	this material a wastewater or wastewater sludge? YES	⊠ ио	
If	'Yes', complete this section.		
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPR	COPRIATE CATEGORY, GO TO THE	VEXT PAGE.
Met	als Subcategory: Subpart A		
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from el Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equ		
<u>Oils</u>	Subcategory: Subpart B		
00000000000000000000000000000000000000	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum source Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	es	
<u>Orgu</u>			
	Landfill leachate Contaminated groundwater clean-up from non-petroleum so Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations	ources	
	Tank clean-out from organic, non-petroleum sources		

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.					
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.					
	Cadm	ium: 0.2 mg/L					
	Chro	Chromium: 8.9 mg/L					
	Copp	er: 4.9 mg/L					
	Nicke	l: 37.5 mg/L					
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, of above any of the values listed above, the waste should be classified in the organics subcategory.					
		Metals Subcategory					
		Oils Subcategory					
		Organics Subcategory					

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd

Phone: (713) 676-1460 (713) 676-1676

Houston, TX 77021

Attn:

Sean Easton

- CERTIFICATE OF RESULTS -

MES Lab#:

7010180

Client Sample ID:

Quench Tank Sludge

Extended ID:

Varco Drilling North Houston Non-Bulk Disposals / PO# 371004

Sample Collect Date: 1/8/2007 @ 7:45:00 AM

Sample Type:

Comp

Sample Receipt Date: 1/8/2007 @ 9:32:00 AM

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	< 0.014	mg/L	1/11/2007 / 5:26 PM
Barium	0.0005	100	0.563	mg/L	1/11/2007 / 5:26 PM
Cadmium	0.002	1	< 0.002	mg/L	1/11/2007 / 5:26 PM
Chromium	0.002	5	0.050	mg/L	1/11/2007 / 5:26 PM
Lead	0.005	5	0.008	mg/L	1/11/2007 / 5:26 PM
Selenium	0.024	1	< 0.024	mg/L	1/11/2007 / 5:26 PM
Silver	0.002	5	< 0.002	mg/L	1/11/2007 / 5:26 PM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time
Mercury	0,0002	0.2	< 0.0002	mg/L	1/11/2007 / 11:20 Pt

H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Friday, January 12, 2007

Date

Report Date: 12-Jan-07

Page 1 of 1

7010180

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	CHECK STD	ICS: %FEC
Arsenic	< 0.005	100.3	91.9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	92.6	92.4	86.1
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	92,9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.3

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: Holland D. Gilmore Laboratory Director

January 12, 2007

01/12/2007 17:52

COMPANY NAME: (BILL TO:) CES EN	VIEWARM	m 3.	us.			ME	ES		- Cł	HAIN	OF (CUST	ODY	1-800-771-4MES (281) 476-4534
COMPANY NAME: (BILL TO:) CES EN COMPANY ADDRESS: 4904 GRAD	us Do	-10		77.02 /		Aercu	ru E	nviro • Dee	nme r Park	ntal	Seri	vices	;	Fax (281)-476-4406
CITY Habta	ST/	ATE //	ZIP	1104	<u>- _</u>			ERS FO		_				REMARKS
CONTACT PERSON'S PHONE: (7/3) 4/6-	4160	FAX #: C	73)676-	1676		14 MAL 8							MERS	TURNARGUND TIME
YOUR PROJECT NO: YOUR P.O. 0: YASKO DICINION 371004 PROJECT ADDRESS:		V- BULL	aject name: L DI>Po	5/15	$ /$ $\frac{4}{3}$	¥/		/ /	/ /	/ ,		NUMBER OF CONTAIN	PAESERIVA MONE	DETECTION LIMITS SPECIAL LIMITS REQUIRED YOU HO
YOUR SAMPLE DESCRIPTION	GRAB/COMP.	YOLK)	TIME	MATRU	- Y X	/ /	/ /	' .	- (NUM	8	Please circle one, if Yes, please describe below
QUENCH TOUR SLUDGE	- 			Sube								1	ILE	or include separate sheet detailing requirements.
		· · ·												
	1													
									_					
	1							_		1				
3									1					
	1													
	1					-				1		<u> </u>		
	 			 									-	
PERSON TAKING SAMPLE SIGNATURE (a. Print Name	A b. Signar				RELINQUISHES Signature)	BY:		<u>l</u>		DATE		TIME		ECEIVED BY:
RELINQUISHED BY: (Signaty 6) DAT	TIME QUE	RE ETVES (Signed Jie)	TOR		RELINOUISHEI Signature)	D BY:				DATE	:	TIME		ECEIVED BY: Ignature)
METHOD OF PAYMENT SHIP	DEO BY: aturel		COL	JPUER (Aure)	· · · · · · · · · · · · · · · · · · ·			(Sign	SWED F	MA	7	D		TO DES
Sample Remainder Disposa'					☐ ! Flequest !	ab To C)ispose (Of All Se	mple Re	mailde		عمرد	7	
☐ Return Sample Remainder To Citent Via					(Ségnabile)								Dave)	

CES Environmental Services, Inc.

4904 Griggs Rd. Houston, TX 77021 Phone: (713) 676-1460

Fax: (713 676-1676

Fax Transmittal

	Number of Pages (Including cover sheet):
Date: To:	1/22/07 Melissa beigley (213) 937-5022
From:	Sean Easton CES Environmental Services, Inc. Mobile Phone: (713) 416-4160
Notes:	Here is the analytical for the
	sludge removed from the quench
-	tank. There are everety 10
-	droms in the storage area. Please
-	call me a) the waste rode #
-	you would like to use and I'll
-	prepare a profile for your review
	and signature. This,

Drilling controls 20 Prof # 2021



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/26/2007

Dear Tim Grebe

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2021

Generator: Drilling Controls

Address: 8909 Jackrabbit Road

Houston, TX 77095

Waste Information

Name of Waste: Flourescent light bulbs

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Flourescent light bulbs spent (4' & 8')

Color: varies

Odor: none

light bulbs

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genc	rator Information						
Company:	Drilling Controls	. Inc.					
Address:	8909 Jack Rabbit						
City, State, Zip:	Houston, TX 770	95			V10 V . A 4	٠٠, ـــــــــــــــــــــــــــــــــــ	
Contact:	Tim Grebe			Title:	HSE Mai		
Phone No:	281-855-3200			Fax No:	281-855-	0973	
24/hr Phone:	936-522-6997			• '			
U.S. EPA 1.D. No: State I.D.	CESOG			SIC Code:	NΑ		
oute i.p.	<u>C1340</u>			JIC COUE.	14 1	<u> </u>	
SECTION 2: Billio	" Information -	Same at Ahov	•				
Company:	2 July (Matter 4	SECRET SERVICE	3.				
Address:							
City, State, Zip:							
Contact:			Title:				
Phone No:			Fax No:				
•							
SECTION 3: Gener	ral Description of the	he Wasto					
							٠.,٠
Name of Waste: Fk Detailed Description			ourescent Lieb	t Bulbs spent (-	I foot& 8 F	001)	
Physical State:	Liquid	☐ Sludge		Powder		•	
•	Solid Solid	☐ Filter (Combinatio	n		
			_				
Color: Varies		Odor: None					
Specific Gravity (wa	iter=1): <u>2</u>	Density; §	-10 lbs/gal				
Layers:	Single-phase	. . .	fulti-phase				
Container Type:	☐ Drum	☐ Tote	0	Truck	×	Other (explain)	•
Container Size:				0000		Bulbs	
			-				
_				<u>.</u>			
Frequency:	☐ Weekly	☐ Mont		Quarterly		Yearly	* . · ·
Number of Units (co		. 9-8 foot	Oti	ber:			
Texas State Waste C	Code No: R	ecyclable					
Proper U.S. DOT Si	ipping Name:	Other R	legulated Subs	tances. Solids, r	os (Ballest	s)	
Class: 9	UNA	NA: NA307	7	PG: III		RQ:	NA
	J						<u> </u>
Flash Point	pH	Reactive Sul	fides	Reactive C	vanides	Solids	
NA	Na	Omg/I		Omg/I	,	100%	
Olide Grease	TOC	Zinc		Copper	Nic	ckol	
Name/t	Name/I	Name/I		Namg/I	Na	mg/l	

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	OF %
Flourecent Bulbs 4 foot	0-100	6.0
Flourescent Bulbs 6 foot	0-100	00
		1

ADDED AND	C 24		
SECTION 5:	: Selett.	KCIRLEG	LData

If the handling of this waste requires the use of special protective equipment, please explain. Level PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Picase list all incompatibilities (if uny); None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge;

TCLP Metals:	Z
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Resctivity:	X
Corresivity:	X
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Ven L. Sulve	Date: 1/25/07
Printed Name/Title:	

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Research Date: 1-26-07 Approved Rejected Approval Number: 2021	Process Facility Information: Ufact \$1.00 /bolk 8 fout \$1.50 /bolk	UNIV-RE
---	--	---------

<u>S</u> I	ECTION 10: Waste Receipt Classification Under 40 CFR 4	37
ls	this material a wastewater or wastewater sludge? YES	⊠ NO
If	'Yes'. complete this section.	
P	LEASE CHECK THE APPROPRIATE BOX, IF NO APPRO	PRIATE CATEGORY, GO TO THE NEXT PAGE.
Met	als Subcatenory: Subpart A	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi	
<u>Oits</u>	Subcaterory: Subport B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations	IFCES

3

Tank clean-out from organic, non-petroleum sources

JAN-24-2007 14:31

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.			
(2)		If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.		
	Chrom Coppe	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L		
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, of nickel above any of the values listed above, the waste should be classified in the organics subcategory.			
		Metals Subcategory		
		Oils Subcategory		

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium. Chromium, Copper. Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/26/2007

Dear Tim Grebe

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2022

Generator: Drilling Controls

Address: 8909 Jackrabbit Road

Houston, TX 77095

Waste Information

Name of Waste: Flourescent light ballasts (non-PCB)

TCEQ Waste Code #: Recycle

Container Type:

ballasts

Detailed Description of Process Generating Waste:

Used non-working, non-PCB flourescent ballasts

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cescnvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:	Drilling Controls.	inc.		
Address:	8909 Jack Rabbit	Rd		
City, State, Zip:	Houston, TX 7709	5		
Contact:	Tim Grebe		Title:	HSE Manager
Phone No:	281-855-3200		Fax No:	281-855-0973
24/hr Phone:	936-522-6997			
U.S. EPA 1.D. No:	TXCEQG		<u> </u>	Α Λ .
State I.D.	CESQG		SIC Code:	NA
SECTION 2: Billing Company: Address: City, State, Zip:	Information – 🔲 S	Same as Above		
Contact:		Titie	<u>e:</u>	
Phone No:			Na:	
. Holle 110.		. «»		
SECTION 3: Gener	al Description of the	e Waste		
Name of the same of the		- (2)- 202)		
Name of Waste: Flor Detailed Description			n-working -non-PCB F	lourescent Ballests
Physical State:	Liquid	Sludge	Powder	
,	Solid	Filter Cake	Combinatio	
	Ø 2080	- Litter Care	Combinatio	n
Color: Varies		Mor: None		
Com. <u>1215</u>	•	Adol: Molle		
Specific Gravity (was	ter=1): 2	Density: 8-10 lbs/	/nal	
	····		•	
Layers:	Single-phase	☐ Multi-ph	183e	
Cantalana Mara	-	-	. .	
Container Type:	☐ Drum	☐ Tote	Truck	Other (explain)
Container Size:				Ballests
				No. 2
Frequency:	☐ Weekly	☐ Monthly	Quarterly	Yearly
Number of Units (cor	•	Other:	C Cantelly	LA TEATING
	· —			•
Texas State Waste Co	ode No: Ke	cyclabic		·
Proper U.S. DOT Shi	ipping Name:	Other Regulate	d Substances, Solids, r	nos (Ballests)
Class: 9	UN/N	A: NA3077	PG: 1[]	RQ:
-				
Flash Point	Table 1	Reactive Sulfides	Denether C	vanides Solids
NA POLDI	pH Na	Omg/I	Reactive C	yanides Solius
Oll&Grease	TOC	Zinc	Copper	Nickel
Name/I	Name/I	Name/I	'Namg/i	Namg/I

ı

JAN-24-2007 14:32

			_
SECTION 5:	Safate	Relator	l Dota

If the bandling of this waste requires the use of special protective equipment, please explain. Level PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Ν

Please list all incompatibilities (if any): None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED hased upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

Printed Name/Title:

SECTION 9: Generator's Certification

The information contained herein is based on generator knowledge and/or attached description is complete and accurate to the best of my knowledge are		
omissions of composition properties exist and that all known or suspected haza	rds have been disclosed. I certify that the materia	1
tested are representative of all platerials described by this document.	•	
Authorities Standard Va - Charles	1/25/07	٠.

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Cobban Ciber a Date: 1-76-07 Approved Rejected Approval Number: 2022	Process Facility Information: Cast + 4070 UNIV - REC

2

<u>SE</u>	CTION 10: Waste Receipt Classification Under 40 CFR 437
ls t	his material a wastewater or wastewater sludge? YES NO
lf.	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Meta	is Subcaterory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcaterory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Orga	iles Subcatarory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or cpoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromlum: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

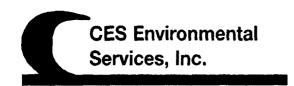
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory				
Oils Subcategory				
Orannice Subesteams				

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium. Copper, Nickel, and Oll and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Drilling Controls 2008 Prof# 2023



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/26/2007

Dear Tim Grebe

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2023

Generator: Drilling Controls

Address: 8909 Jackrabbit Road

Houston, TX 77095

Waste Information

Name of Waste: Non-hazardous hose TCEQ Waste Code #: CESQ1191

Container Type:

Detailed Description of Process Generating Waste:

Re-enforced hose last containing insulating oil. Contents of hose have been removed.

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

Pr

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Wante Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener								
Company:	Drilling Controls,							
Addressi	8909 Jack Rabbit							
City, State, Zip:	Houston, TX 770	95		en:	1105 14			
Contact:	Tim Grebe			Title:	HSE Ma			
Phone No:	281-855-3200			Fax No:	281-855	-09/3		
24/hr Phone:	936-522-6997							
U.S. EPA L.D. No: State I.D.	TXCEQG				NA			
State I.D.	CESQO			SIC Code:		1 / `		
SECTION 2: Billing Company: Address:	Information -	Same as Above						
City, State, Zip:								
Contact:			Title:					
Phone No:			Fax No:					
SECTION 3: Gener	al Description of th	e Waste						
Name of Waste: Nor Detailed Description removed		ing Waste: <u>Re-</u>	enforced hose	last containing	insulating	oil. Contents	of hose have been	
Physical State;	Liquid .	Sludge		Powder				
. 11,0118. 018101	Solid Solid		5					
	△ 3019g	Filter Ca	Ke []	Combination				
Color: <u>Varies</u>		Odor: <u>None</u>						
Specific Gravity (wat	er=1): <u>2</u>	Density: 8-1	Q lbs/gai					
Layers	Single-phase	☐ Mui	lti-phase				* : :	
Container Type:	Drum	☐ Tote		Twee		04 (•	
	_		u	Truck		Other (expli	(מנו	
Container Stae:	55 Gal							
Frequency:	☐ Weekly	Monthly		Quarterly	XI	Yearly		
Number of Units (con	rainers): 1	Other:		•	~	•		
Texas State Waste Co	, -	SQ1191						
Proper U.S. DOT Shi	pping Name:	Non-RCR	A. Non-DOT	Regulated Was	ne Soilds (Hose)		
Class: Na	UN/N	A: Na	Na PG: Na			RQ:		
				-			_/(/	
Flash Point	рН	Resetive Sulfic	les	Resctive Cy	a pides	Solids		
<u>NA</u>	Na	Omg/I		Omg/l		100%		
Oil&Grease	TOC	Zinc	10	opper	Nic	itel		
Name/I	Namg/I	Namg/I		Namg/I	Na	rag/l		

SECTION 6: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Hose	100	0.6
		1

SECTION	5: Safet	ty Related	Data
---------	----------	------------	------

If the handling of this waste requires the use of special protective equipment, please explain. Level PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package, None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the bazardous waste characteristics, listed t	below, WAS NOT PERFORM	ED based upon the following
generator knowledge;		

TCLP Metals:	X
TCLP Volatiles:	Z
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
lanitability:	¥

Authorized Signatur

Printed Name/Title:

SECTION 9: Generator's Certification

The information contained herein is based on 🗵 generator knowledge and/or 🗌 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material tested are representative of all materials described by this document.

Ces lise ONLY (DO NOT M'RITE IN THIS SPACE) Compliance Officer: Compliance Officer:	Process Facility Information:		
Date: 1-26-07 Approved Rejected	U50/2-	15	
Approval Number: 2023		- 0	

2

Date: 01/24/07

<u>s</u>	ECTION 10: Waste Receipt Classification Under 40 CFR	<u>137</u>	
la	this material a wastewater or wastewater sludge? YES	⊠ NO	
Ħ	"Yes". complete this section.		
**	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPPLATE CATEGORY GO TO	THE NEXT PAGE
P	LEASE (HECK THE APPROPRIATE BOA. IF NO APPRO	PRIATE CATEGORY, OF TO	, , , , , , , , , , , , , , , , , , ,
Me	ah Subcutegory: Subpart A		
	Spent electroplating baths and/or sludges		
	Metal finishing rinse water and sludges		
\vdash	Chromate wastes		
H	Air pollution control blow down water and sludges		
H	Spent anodizing solutions Incineration wastewaters		•
H	Waste liquid mercury		
	Cyanide-containing wastes greater than 136 mg/l		
	Waste acids and bases with or without metals		
	Cleaning, rinsing, and surface preparation solutions from ele	ectropiating or phosphating open	ations
	Vibratory deburring wastewater		
u	Alkaline and acid solutions used to clean metal parts or equi	pment	
<u>Oib</u>	Subsuterory: Subpart B		•
	Used oils		
	Oil-water emulsions or mixtures		
	Lubricants		
	Coolants		
H	Contaminated groundwater clean-up from petroleum sources	5	
H	Used petroleum products		
H	Oil spill clean-up Bilge water		
Ħ	Rinse/wash waters from petroleum sources		
	Interceptor wastes		
	Off-specification fuels		
	Underground storage remediation waste		
	Tank clean-nut from petroleum or oily sources		
	Non-contact used glycols		· : .
H	Aqueous and oil mixtures from parts cleaning operations		
	Wastewater from oil bearing paint washes		
One	anics Subcuserery: Subpart C		
	Landfill Jeachate	•	
Õ	Contaminated groundwater clean-up from non-petroleum sou	urces	
	Solvent-bearing wastes		
	Off-specification organic product		
	Still bottoms		
Ц	Byproduct waste glycol		
H	Wastewater from paint washes		
H	Wastewater from adhesives and/or epoxies formulation		. :
Ħ	Westewater from organic chemical product operations		

JAN-24-2007 14338

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	if the of the	waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L i: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L. and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium. Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

4



SAFETY DATA SHEE



1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name:

Insulating Oil BS148:1984

Code: 2512-UK

Class 1

Application:

Transformer oil

Company:

Castrol (U.K.) Limited

Address: Burmah Castrol House, Pipers Way, Swindon, Wiltshire, SN3-IRE-

Telephone (24 hours): 0793 512712

Fax: 0793 432872

2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Highly refined mineral oil

Hazardous Ingredient(s)

Symbol Risk Phrases

Other Information

None of the ingredients of this product are classified as hazardous

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

This product is NOT classified as hazardous

4: FIRST AID MEASURES

Eyes:

Irrigate immediately with copious quantities of water for several minutes

Skin:

Wash thoroughly with soap and water or suitable skin cleanser as soon as possible

Inhalation:

Remove from exposure

Ingestion:

Obtain medical attention. Do NOT induce vomiting.

5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide, powder, foam or water fog - Do not use water jets

Special Exposure Hazards:

None

Special Protective Equipment:

None

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Spilt product presents a significant slip hazard

Environmental Precautions:

Prevent entry into drains, sewers and water courses

Issue No: 01

Date: 01/04/1994

Code: 2512-UK

Page: 1 of 4 state

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Jan 18 2006 17:16

Fax:2816563203

VETCO GRAY CONTROLS

7: HANDLING AND STORAGE

Handling: To avoid the possibility of skin disorders, repeated or prolonged contact with products of this

type must be avoided. It is essential to maintain a high standard of personal hygiene

Storage: No special precautions

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance

8 Hr. TWA STEL

Source/Other Information

Mineral oil (see Oil mist, mineral)

5mg/m³

10mg/m³

EH40

Engineering Control Measures:

Mechanical methods to minimise exposure must take precedence over

personal protective measures

Personal Protective Equipment:

Avoid skin and eye contact. Wear impervious gloves (eg of PVC), in

case of repeated or prolonged contact. Change contaminated clothing

and clean before re-use

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Liquid

Colour:

Amber

Odour:

Mild

Boiling Point/Range (°C):

Below minus 30

Above 250

Pour Point (°C):

16

Kinematic Viscosity @ 40°C (cSt):

Above 130

Flash Point (closed, °C):

above 250

Explosive Properties (%):

Not determined

Relative Density (at 20°C):

Below 1.0

Water Solubility:

Autoignition (°C):

insoluble

Fat Solubility:

Not determined

10: STABILITY AND REACTIVITY

Stability:

Stable, will not polymerise

Conditions to Avoid:

Temperatures (°C) above 90

Materials to Avoid:

Strong oxidising agents

Hazardous Decomposition Products: None

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components Expected oral LD50, rat > 2g/kg

Health Effects

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VETCO GRAY CONTROLS

By Inhalation: Mist and vapours may cause irritation to nose and respiratory tract

By Ingestion: May cause nausea, vomiting and diarrhoea.

Chronic:

Repeated and prolonged skin contact may lead to skin disorders.

Other:

None known

12: ECOLOGICAL INFORMATION

Environmental Assessment:

When used and disposed of as intended, no adverse environmental

effects are foreseen

Mobility:

Mobile liquid. Insoluble in water. Involatile.

Persistence and Degradability:

inherently biodegradable

Bioaccumulative Potential:

Bioaccumulative based on logP values of constituents

Ecotoxicity:

Not expected to be ecotoxic to fish/daphnia/algae Not expected to be inhibitory to sewage bacteria

13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product:

May be sent for reclamation

Used/Contaminated Product:

Dispose of through an authorised waste contractor to a licensed site

May be incinerated

Packaging:

Must be disposed of through an authorised waste contractor

May be steam cleaned and recycled

14: TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport

15: REGULATORY INFORMATION

Hazard Label Data:-

This product is NOT classified as dangerous for supply in the UK

EC Directives:

Waste Oil Directive, 87/101/EEC

Framework Waste Directive, 91/156/EEC

Statutory Instruments:

Health & Safety at Work, etc. Act 1974

Consumer Protection Act 1987 Environmental Protection Act 1990

Codes of Practice:

Waste Management. The Duty of Care

Guidance Notes:

Occupational skin diseases: health and safety precautions (EH

Occupational exposure limits (EH 40) Carcinogenicity of mineral oils (EH 58) Skin cancer caused by oil [MS(B)5]

Save your skin! - Occupational Contact Dermatitis [MS(B)6]

Dermatitis - cautionary notice (SHW 367) Effects of mineral oil on the skin [5HW 397]

Issue No: 01 Date: 01/04/1994

Code: 2512-UK

Page: 3 of 4

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31:71 3005 81 nat

Fax:2816563203

VETCO GRAY CONTROLS

Castrol publication: Talking About Health and Safety - Lubricants and Allied Products

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

Further copies of this Safety Data Sheet may be obtained from Castrol (U.K.) Limited.

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/26/2007

Dear Carrie Reese

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2024

Generator: Allied Aviation-IAH Address: 2050 Fuel Storage

Houston, TX 77073

Waste Information

Name of Waste: Fuel contact water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste: Sump at Intercontinental Airport combined with Jet A

Color: clear

Odor: hydrocarbon

pH: 6-9

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

no

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General Company: Address: City, State, Zip:	ator Information Allied Aviation 2050 Fuel Shuage Howston A TV 99073
Contact:	Stafford Title: Maint Supervisor
Phone No: 24/hr Phone:	28) 924-1830 Fax No:
U.S. EPA I.D. No:	nin
State I.D.	n 1 Pg SIC Code:
SECTION 2: Billing Company:	Information - Same as Above Verter Recovery
Address:	2323 Cleanake () City # 180-184
City, State, Zip:	Hauston, TX 77062
Contact:	CAMIE Ruse Title: DUSINESS dev. Manager
Phone No:	713 569-7718 Fax No:
	al Description of the Waste
Name of Waste: 100 Detailed Description	of Process Generating Waste: Sump at Intercontinental Arryort Contomic will get the
Physical State:	☐ Liquid ☐ Sludge ☐ Powder ☐ Combination
Color: WW	Odor: 1-drolanber
Specific Gravity (wat	rer=1): Density: _8 lbs/gal
Layers:	☐ Single-phase ☐ Multi-phase
Container Type:	Drum Tote Truck Other (explain)
Container Size:	
Frequency:	☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (con	——————————————————————————————————————
Texas State Waste Co	ode No: n/A recycled product
Proper U.S. DOT Shi	pping Name: n H recycled and ust
Class: NB	UN/NA: NO PG: NO RQ: NO
Flash Point	pH Reactive Sulfides Reactive Cyanides Solids mg/l /-2 %
Oil&Grease	TOC Zinc Copper Nickel

SECTION 4: Physical and Chemical Data

Concentration	Units
Ranges are acceptable	or %
99	
	Concentration Ranges are acceptable 99

The waste consists of the following materials	Ranges are acceptable	or %
water	99	
let A		
		·
		<u></u>
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special protecting	ve equipment, please explain.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this	form as part of the waste approval packag	je.
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):		
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, list generator knowledge:	ed below, WAS NOT PERFORMED based	l upon the following
TCLP Metals:		
TCLP Volatiles:		
TCLP Semi-Volatiles: Reactivity:		
Corrosivity:		
Ignitability:		
SECTION 9: Generator's Certification		
The information contained herein is based on generator knowle attached description is complete and accurate to the best of my omissions of composition properties exist and that all known or stested are representative of all materials described by this document	knowledge and ability to determine that no suspected hazards have been disclosed. I ce	o deliberate or willfurtify that the material
Authorized Signature:	Date: 1/22/0	7
Printed Name/Title: Arrie Veese	• • • • • • • • • • • • • • • • • • •	
	·	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	D. D. T. C.	
Compliance Officer:	Process Facility Information:	
Date: 1-26 ~ Approved Rejected	. 15/5al\$250/n	nin.
2.97.4		

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer:	Process Facility Information:
Date: 1-26-57 Approved Rejected	15/gal, -4250(min.
Approval Number: 2024	

<u>s</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 4	<u>137</u>		
Is	this material a wastewater or wastewater sludge? YES	⊠ NO		
If	'Yes', complete this section.			
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEO	GORY, GO TO THE	NEXT PAGE
Met	tals Subcategory: Subpart A			
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions			
	Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals			
	Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi		sphating operations	
<u>Oils</u>	Subcategory: Subpart B			
	Used oils Oil-water emulsions or mixtures Lubricants Coolants			
	Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up	s		
	Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels			
	Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations			
	Wastewater from oil bearing paint washes			
<u>Org</u>	anics Subcategory: Subpart C			
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sor Solvent-bearing wastes Off-specification organic product	urces		
	Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation			
H	Wastewater from organic chemical product operations			

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.							
(2)		If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.							
	Chron Coppe	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L							
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.							
		Metals Subcategory							
		Oils Subcategory							
		Organics Subcategory							

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



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Jet A1 product information

Jet A1 MSDS

Jet A1 MSDS

- 1. Identification of substance
- → 2. Composition
- → 3. Hazards identification
- → 4. First-aid measures
- ▼ 5. Fire-fighting measures
- ▼ 6. Accidental release measures ▼ 14. Transport information
- 7. Handling and storage
- ▼ 8. Exposure controls

- 9. Physical, chemical properties
- → 10. Stability and reactivity
- ▼ 11. Toxicological information
- ▼ 12. Ecological information
- ▼ 13. Disposal considerations
- + 14. Hanaport mornation
- 15. Regulatory information
- → 16. Other information

Sheet Number: SAV2101 Version: 3 Template Sheet Number: TFAVKERO Product / Product Range: JET-A1 Language: English Country/Business: OAV Date of Issue: 07/04/97 Revision of Sheet Dated: 08/09/94 Tox. Split Number: 346.7 MSDS

SAFETY DATA SHEET

Jet-A1

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1, Identification of substance

Identification of substance/preparation, Aviation Kerosine Alternative names: Jet A, Jet A-1, AVTUR, JPS, JPS, Application Jet fuel, do not use for other purposes For specific application advice see appropriate Technical Data Sheet or consult your BP representative

Company identification: Air BP International BP House Breakspear Way Hernel Hempstead Hertfordshire, HP2 4UL Emergency Telephone Number (44) 0171-496-4000

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2. Composition

Chemical composition: A mixture of kerosene streams May contain small quantities of proprietary performance additives.

Hazardous components: Kerosine (petroleum). EINECS No: 232-366-4. CAS No: 8008-20-6, F, Xi, R10 Flammable. R38 Irritating to skin. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment, R65 Harmful: may cause lung damage if swallowed.

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3. Hazards identification

Flammable Harmful if swallowed - aspiration hazard. Likely to cause skin irritation.

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4. First-aid measures

Eyes: Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists

Skin: Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin Medical advice must be obtained urgently if product under high pressure has been injected through the skin.

Ingestion: If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.

Inhalation: If fumes are inhaled the patient should be removed to fresh air and if recovery is not immediate, medical assistance must be called without delay. If breathing has failed respiration must be assisted, preferably by mouth to mouth method.

Medical advice: Product can be aspirated on swallowing or following regurgitation of stomach contents, and can cause severe and potentially fatal chemical pneumonitis, which will require urgent treatment. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided. Gastric lavage should be undertaken only after endotrachael intubation. Monitor for cardiac dysthythmias.

Note: High pressure applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent, damage. Note that high pressure may force the product considerable distances along tissue planes.

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5. Fire-fighting measures

For major fires call the Fire Service. Ensure an escape path is always available from any fire. There is a danger of flashback if sparks or hot surfaces ignite vapour. Use foam, dry powder or water fog. DO NOT USE water jets. FIRES IN CONFINED SPACES SHOULD BE DEALT WITH BY TRAINED PERSONNEL WEARING APPROVED BREATHING APPARATUS.

Combustion products: Toxic fumes may be evolved on burning or exposure to heat. See Stability and Reactivity, Section 10 of this Safety Data Sheet.

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6. Accidental release measures

Any spillage should be regarded as a potential fire risk. In the event of spillage, remove all sources of ignition and ensure good ventilation. Wear protective clothing. See Exposure Controls/Personal Protection, section 8, of this Safety Data Sheet. Spilled material may make surfaces slippery. Clean up spilled material immediately. Contain and recover spilled material using sand or other suitable inert absorbent material. Recovery of large spillages should be effected by specialist personnel. It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.

Large and uncontained spillages should be smothered with foam to reduce the risk of ignition. The foam blanket should be maintained until the area is declared safe. Protect drains from potential spills to minimise contamination. Do not wash product into drainage system. Vapour is heavier than air and may travel to remote sources of ignition (eg. along drainage systems, in basements etc.). If spillage has occurred in a confined space, ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies. In the case of spillage at sea approved dispersants may be used where authorised by the appropriate government/regulatory authorities. In the event of spillages contact the appropriate authorities. Regular surveillance on the location of the spillage should be maintained.

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7. Handling and storage

Storage conditions: Store and dispense only in well ventilated areas away from heat and sources of ignition. Store and use only in equipment/containers designed for use with this product. Containers must be properly labelled and kept closed when not in use. Do not remove warning labels from containers. Empty packages may contain some remaining product. Retain hazard warning labels on empty packages as a guide to the safe handling, storage and disposal of empty packaging. Do not enter storage tanks without breathing apparatus unless the tank has been well ventilated and the tank atmosphere has been shown to contain hydrocarbon vapour concentrations of less than 1% of the lower flammability limit and an oxygen concentration of at least 20% volume. Always have sufficient people standing by outside the tank with appropriate breathing apparatus and equipment to effect a quick rescue.

Handling precautions: Avoid, as far as reasonably practicable, inhalation of vapour, mists or fumes generated during use. Avoid contact with skin and observe good personal hygiene. Avoid contact with eyes, if splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Do not sold oppose to the product by mouth. Whilst using do not eat, drink or smoke. Wash hands thoroughly after contact. Take all necessary precautions against accidental spillage into soil or water.

Fire prevention: Light hydrocarbon vapours can build up in the headspace of tanks. These can cause flammability/explosion hazards even at temperatures below the normal flash point (note: flash point must not be regarded as a reliable indicator of the potential flammability of vapour in tank headspaces). Tank headspaces should always be regarded as potentially flammable and care should be taken to avoid static electrical discharge and all ignition sources during filling, ullaging and sampling from storage tanks. When the product is pumped (e.g. during filling, discharge or ullaging) and when sampling, there is a risk of static discharge. Ensure equipment used is properly earthed or bonded to the tank structure. Product contaminated rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. Dispose of safely immediately after use. Empty containers represent a fire hazard as they may contain some remaining flammable product and vapour. Never cut, weld, solder or braze empty containers.

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8. Exposure controls

Exposure limits: There is no appropriate occupational exposure limit for this material. If vapour, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level.

Protective clothing: Wear face visor or goggles in circumstances where eye contact can accidentally occur. If skin contact is likely, wear impervious protective clothing and/or gloves. Protective clothing should be regularly inspected and maintained; overalls should be dry-cleaned. laundered and preferably starched after use.

Respiratory protection: If operations are such that exposure to vapour, mist or fume may be anticipated, then suitable approved respiratory equipment should be worn. The use of respiratory equipment must be strictly in accordance with the manufacturers' instructions and any statutory requirements governing its selection and use.

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9. Physical, chemical properties

Typical values. Grades: JET-A1 Test method units: Physical state liquid Colour colourless --> yellow Odour kerosine-like Boiling point/range ASTM D 86 °C 156 - 258 Density @ 15°C ASTM D 1298 kg/m3 804 Flash point (PMC) ASTM D 93 °C >38 Kinematic viscosity @ 20°C ASTM D 445 mm2/s 3.5

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10. Stability and reactivity

Conditions to avoid: Stable at ambient temperatures. Hazardous polymerisation reactions will not occur.

5/28/2008

Materials to avoid: Avoid contact with strong oxidizing agents.

Hazardous decomposition products: Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide.

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11. Toxicological information

Eyes: Unlikely to cause more than transient stinging or redness if accidental eye contact occurs. May be irritating to eyes at high concentrations of vapour, mists or fumes.

Skin: Likely to cause skin irritation.

Ingestion: Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea. Will injure the lungs if aspiration occurs, eg. during vomiting.

Inhalation: May cause irritation to eyes, nose and throat due to exposure to vapour, mists or fumes,

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12. Ecological information

Mobility: Spillages may penetrate the soil causing ground water contamination.

Persistence and degradability: This product is inherently biodegradable.

Bioaccumulative potential: There is no evidence to suggest bioaccumulation will occur.

Aquatic toxicity: Harmful to aquatic organisms and may cause long term effects in the aquatic environment Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired. German WGK Classification. 2

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13. Disposal considerations

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations. Empty packages may contain some remaining product. Hazard warning labels are a guide to the safe handling of empty packaging and should not be removed.

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14. Transport information

ADR/RID: Kerosene, Flammable Liquid, Class 3. Item 31 (c), Hazard Identification No 30-brs UN: KEROSENE, Flammable liquid, Class 3. Packing Group III. UN Number 1223 IATA/ICAO: Kerosene, Flammable liquid, Class 3, Packing Group III IMO: KEROSENE, Flammable liquid, Class 3.3. Packing Group III EMERGENCY ACTION CODE: Flammable liquid, 3[Y]

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15. Regulatory information

EU category of danger: Flammable Harmful Irritant

EU labelling: Symbol: St. Andrew's Cross Indication of danger: HARMFUL

Contains: Kerosine

Risk (R) phrases: R10 Flammable R38 Irritating to skin R65 Harmful: may cause lung damage if swallowed

Safety (S) phrases: S24 Avoid contact with skin S23 Do not breathe vapour S43 - In case of fire use foam or dry powder. Never use water jets S62 If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label. S61 Avoid release into the environment. Refer to special instructions/Safety data sheets.

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16. Other information

Compiled by: Product Stewardship Group BP Oil Technology Centre Chertsey Road Sunbury-on-Thames Middlesex, TW16 7ŁN

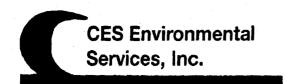
This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified below. We have reviewed any information contained herein which we received from sources outside the BP Group of Companies. However, no warranty or representation, express or implied is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization given or implied to practise any patented invention without a valid licence. The BP Group shall not be responsible for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.

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4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/31/2007

Dear Steve Moerbe

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2025

Generator: Forged Products

Address: 6505 North Houston Rosslyn Road

Houston, TX 77091

Waste Information

Name of Waste: Recyclable steel and poly RCRA empty drums

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

RCRA empty drums last containing oil

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

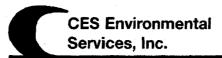
Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information					
Company:	Forged Products, In					
Address:	6505 N Houston-Re	ossyln Rd				
City, State, Zip:	Houston, TX 77091	1-1006				
Contact:	Steve Moerby			Title:	Maintenance l	Manager
Phone No:	832-590-7932			Fax No:	713-462-7303	
24/hr Phone:	713-245-6506					
U.S. EPA I.D. No:	TXCESQG			•		
State I.D.	CESQG			SIC Code:		
State I.D.						
SECTION 2: Billing	Information MS	ama as A hava				
	Intol mation - M 3	aine as Above				
Company:	······································					
Address:						
City, State, Zip:						
Contact:			Title:	· · · · · · · · · · · · · · · · · · ·		
Phone No:			Fax No:	·	·	
SECTION 3: Genera	al Description of the	Waste				
Name of Waste: Rec	yclable steel and poly	RCRA Empty	<u>Drums</u>			
Detailed Description	of Process Generation	ng Waste: RCI	RA empty dru	ıms last containi	ing oil	
Physical State:	Liquid	Sludge		Powder		
	⊠ Solid	Filter Ca	ke [Combination		
	ZJ Soliu					
Colom Varios	•	dam None				
Color: <u>Varies</u>	U	dor: <u>None</u>				
•					•	
Specific Gravity (wat	er=1): <u>1</u>	Density: 8 lb	os/gal			
Layers:	Single-phase	☐ Mu	lti-phase			
Container Type:	□ Drum	☐ Tote	П	Truck	Oti	her (explain)
· -	· ·		اسيا	rruck		iiii (eapiiiii)
Container Size:	<u>55 gal</u>					
						* <u>-</u>
Frequency:	☐ Weekly	Monthly Monthly	y 🛛	Quarterly	☐ Ye	arly
		Other		Q		
Number of Units (con			··			
Texas State Waste Co	ode No: Rec	ycle				
Proper U.S. DOT Shi	pping Name:	Non-RCF	RA, Non DOT	Regulated RCI	RA Empty Cont	tainers
- 4						
Class: Na	UN/NA	: Na		PG: Na		RQ: Na
<u></u>						
Flash Point	•	Reactive Sulfice	des	Reactive Cy	anides	Solids
<u>Na</u>		<u>O</u> mg/I		Omg/l		100%
Oil&Grease	TOC	Zinc		Copper	Nickel	
Namg/I	Namg/I	0mg/l		<u>0</u> mg/l	Omg/l	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
RCRA Empty Drums Poly	0-100	%
RCRA Empty Drums Steel	0-100	%

S	ECT	ΊO	N	5:	Saf	etv	Re	elated	Data

If the handling of this waste requires the use of special protective equipment, please explain. $\underline{\text{Level D PPE}}$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles:

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED	based i	upon the following
generator knowledge:		

Reactivity:	<u>X</u>	•			
Corrosivity:	<u>X</u>				
Ignitability:	<u>X</u>				
SECTION 9: Gen	erator's Certification	· · · · · · · · · · · · · · · · · · ·			
	ntained herein is based is complete and accu				
	osition properties exist				

tested are representative of	f all materials described by this documen	t.	
Authorized Signature:	NA	Date: <u>01/31/07</u>	
Printed Name/Title:	No Signature Required		

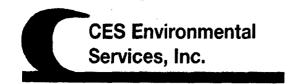
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Kohn Why	Process Facility Information:
Date: 2-1-07 Approved Rejected	
Approval Number: 2025	

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? \(\square\) YES ⋈ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.							
(2)		If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.							
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L							
(3)		If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.							
		Metals Subcategory							
		Oils Subcategory							
		Organics Subcategory							

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/26/2007

Dear Ken Niznik

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2026

Generator: AES Deepwater

Address: 701 Light Company Road

Pasadena, TX 77506

Waste Information

Name of Waste: Ammonium thiosulfate solution product

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Ammonium thiosulfate solution product

Color: clear

Odor: odorless

pH: na

Physical State:

Incompatibilities: strong oxidizers, acids, alkalies

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Ammonium-thiosaffate solution

100 %

SECTION 5: Safety Related Data	
If the handling of this waste requires the use of special protective equipment	, please explain.
Standard FFE	
SECTION 6: Attached Supporting Documents	
List all documents, notes, data, and/or analysis attached to this form as part	of the waste approval package.
MSDS # EGC-0001	
SECTION 7: Incompatibilities	
Please list all incompatibilities (if any):	
Strong oxidizer	
Strong Dx. dizer = Acids / Alkalies	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, listed below, WA following generators knowledge	S NOT PERFORMED based upon the
TCLP Metals:	
TCLP Volatilies :	
TCLP Semi-Volatiles : /	
Reactivity:	
Corrosivity:	
Ignitability: /	
SECTION 9: Generator's Certification	
The information contained herein is based on permater knowledge and/o above and attached description is complete and accurate to the best of my knowledge and/o deliberate or willful omissions of composition properties exist and that all knowledge and the composition properties exist and that all knowledge and the composition properties exist and that all knowledge. I certify that the materials tested are representative of all materials authorized Signature:	nowledge and ability to determine that no own or suspected hazards have been seem described by this document.
Printed Name / Title :	
· · · · · · · · · · · · · · · · · · ·	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info:
Compliance Officer: Lowbrandhyd	Processing Fee & Obalgal
Date: 1-26-07 Status: Approved Rejected	Recommended Treatment:
Approval Number: 2026	Product la Dilan

Material Safety Data Sheet

Ammonium Thiosulfate Solution

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Ammonium Thiosulfate Solution

OTHER/GENERIC NAMES:

Ammonium thiosulfate, aqueous solution

Ammonium hyposulfite solution

PRODUCT USE:

Industrial

MANUFACTURER:

Esseco General Chemical

90 East Haisey Road Parsippany, NJ 07054

USA

FOR MORE INFORMATION CALL: 973-515-1840

IN CASE OF EMERGENCY CALL:

800-631-8050

(24 Hours/Day, 7 Days/Week)

(Monday-Friday, 9:00am-4:30pm)

COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME

Ammonium thiosulfate

Water

CAS NUMBER

WEIGHT %

7783-18-8 7732-18-5

58 Balance

Trace impurities and additional material names not listed above may appear in Section 15 of this MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

OSHA Hazard Communication Standard;

This product is considered hazerdous under the OSHA Hazard Communication Standard.

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear, colorless liquid with an ammonia odor which may imitate the skin, respiratory tract and gastrointestinal tract. May cause irritation and/or burns to the eyes. Reacts with acids to form toxic and irritating sulfur dioxide gas. Not flammable

POTENTIAL HEALTH HAZARDS

Irritation is possible from prolonged or repeated contact.

EYES: Irritation or burning is possible from contact with liquid. Mist may cause irritation or burning.

INHALATION:

Inhalation of mist may irritate respiratory tract. If heated to the point where ammonia gas is

driven off, this is highly irritating to the respiratory tract.

May irritate the gastrointestinal tract. Generally considered of low toxicity, poorly absorbed INGESTION:

from the bowel.

MSDS Number: EGC-0001

Current Issue Date: April, 2003

Page 1 of 6

Ammonium Thiosulfate Solution

DELAYED EFFECTS: None known.

Ingredients found on one of the three OSHA designated carcinogen lists are listed below.

INGREDIENT NAME

INHALATION:

NTP STATUS

Promptly remove to fresh air. If breathing is difficult, give oxygen, provided a qualified operator is

IARC STATUS

OSHA LIST

4. FIRST AID MEASURES

No ingredients listed in this section.

SKIN: Wash skin with plenty of water. Get medical attention if irritation persists.

EYES: Flush eyes immediately with water for at least 15 minutes, Get medical attention.

available. If symptoms persist, get medical attention.

INGESTION: If conscious, immediately give 2 to 4 glasses of water and induce vomiting by touching finger to

back of throat. Get medical attention.

ADVICE TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT:

Not flammable

FLASH POINT METHOD:

Not applicable

AUTOIGNITION TEMPERATURE:

Not applicable

UPPER FLAME LIMIT (volume % in air):

Not applicable

LOWER FLAME LIMIT (volume % in air):

Not applicable

FLAME PROPAGATION RATE (solids):

Not applicable

OSHA FLAMMABILITY CLASS:

Not applicable

EXTINGUISHING MEDIA:

Material is not flammable. Use water or extinguishing media appropriate for material in surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Ammonia gas is evolved on heating. If heated beyond dryness, some hydrogen sulfide gas may be given off. The flammable limits for ammonia in air are 16% to 25% by volume. Hydrogen sulfide will also burn.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:

Wear NIOSH-approved self-contained breathing apparatus to protect against any release of toxic and/or irritating furnes. Skin and eye protection should also be provided. Use water-spray to keep fire-exposed containers cool, and to knock down furnes.

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE: (See section 8 for recommended personal protective equipment.)

Dilute small spills or leaks cautiously with plenty of water, keeping away from incompatible materials. Dike up large spills with commercial or other convenient absorbent. Mop or pump into metal or plastic containers. Close containers and store for later disposal.

MSDS Number: EGC-0001

Current Issue Date: April, 2003

Page 2 of 6

REBA

Ammonium Thiosulfate Solution

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

7. HANDLING AND STORAGE

NORMAL HANDLING: (See section 8 for recommended personal protective equipment.)

Avoid contact with skin, eyes and clothing. Use good personal hygiene and housekeeping. Wash thoroughly after handling.

STORAGE RECOMMENDATIONS:

Store in a cool, well-ventilated area away from acids, alkalies and oxidizers. Keep containers out of the sun. Keep container closed with opening up to prevent leakage when not in use and protect from physical damage. Diking of storage tanks is recommended.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide local exhaust if misty conditions exist.

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION:

For routine product handling or use, wear full work clothing, including long-sleeved shirt and trousers. Wear rubber gloves and apron for prolonged or repeated contact

with liquid.

EYE PROTECTION:

Wear chemical safety goggles and hard hat (or other head covering). Do not wear

contact lenses.

RESPIRATORY

PROTECTION:

None generally required. If misty conditions exist, use a NIOSH-approved respirator for mist. If through heating, excessive ammonia gas is given off, use a chemical cartridge respirator with a cartridge specific for ammonia, or a NIOSH-approved self-contained breathing apparatus or supplied-air respirator. The TLV for ammonia

is 25 ppm.

ADDITIONAL

RECOMMENDATIONS:

Eyewash and safety shower is recommended.

EXPOSURE GUIDELINES

INGREDIENT NAME
No ingredients listed in this section.

ACGIH TLV

OSHA PEL

OTHER LIMIT

¹ = Limit established by General Chemical Corporation,

² = Workplace Environmental Exposure Level (AIHA).

3 = Biological Exposure Index (ACGIH).

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:

Ammonia:

OSHA TWA = 50 ppm; ACGIH TLV = 25 ppm; ACGIH STEL = 35 ppm

MSDS Number: EGC-0001 Current Issue Date: April, 2003 Page 3 of 6

Ammonium Thiosulfate Solution

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear, coloriess liquid.

PHYSICAL STATE:

Liquid.

MOLECULAR WEIGHT:

148.20 (anhydrous)

CHEMICAL FORMULA:

 $(NH_4)_2S_2O_5 + H_2O$ (solution)

ODOR:

Ammonia odor

SPECIFIC GRAVITY (water = 1.0): SOLUBILITY IN WATER (weight %): 1.33 (anhydrous)

nH.

Complete

BOILING POINT:

Approx. 8

MELTING POINT:

>100C (boils with decomposition) Salt-out temperature is 3C

COMPARED TO: Not applicable

VAPOR PRESSURE:

Not applicable.

VAPOR DENSITY (air = 1.0):

Not applicable.

EVAPORATION RATE:

Not applicable.

% VOLATILES:

Not applicable.

FLASH POINT:

Not flammable.

(Flash point method and additional flammability data are found in Section 5.)

10. STABILITY AND REACTIVITY

NORMALLY STABLE? (CONDITIONS TO AVOID):

Normally stable. Avoid - Heat: accelerates the normal evolution of ammonia. Heating to dryness and further: yields toxic hydrogen sulfide and other gases. Hydrogen sulfide also can burn.

INCOMPATIBILITIES:

Strong oxidizers such as nitrates and nitrites: can cause explosions, particularly if heated to dryness.

Water-reactive materials such as oleum: causes strong exothermic reaction.

Acids: causes evolution of sulfur dioxide gas, which is toxic, corrosive, and an oxidizer.

Alkalies: accelerates the normal evolution of ammonia.

HAZARDOUS DECOMPOSITION PRODUCTS:

Ammonia under normal and heated conditions. Ammonia is toxic, corrosive and chemically reactive. Overheating of the evaporation residue yields ammonia, hydrogen sulfide, nitrogen oxide gases and sulfur oxide gases. These are toxic and corrosive. Ammonia and hydrogen sulfide can burn. The oxides are also oxidizers.

HAZARDOUS POLYMERIZATION:

Will not occur.

11.TOXICOLOGICAL INFORMATION

IMMEDIATE (ACUTE) EFFECTS:

LD₅₀ (oral-rat): 2890 mg/kg

LC₅₀ (inhi-rat): >2260 mg/m³/4 hr

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS:

Data not available.

OTHER DATA:

None.

MSDS Number: EGC-0001 Current Issue Date: April, 2003 Page 4 of 6

REBA

Ammonium Thiosulfate Solution

12. ECOLOGICAL INFORMATION

Effect of low concentrations on aquatic life is unknown. BOD: 0.62 lb/lb, 5 days

13. DISPOSAL CONSIDERATIONS

RCRA

is the unused product a RCRA hazardous waste if discarded? No.

If yes, the RCRA ID number is: Not applicable.

OTHER DISPOSAL CONSIDERATIONS:

Dispose of in accordance with applicable Federal, State and Local regulations.

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

14. TRANSPORT INFORMATION

US DOT HAZARD CLASS:

Not regulated.

US DOT ID NUMBER:

Not applicable.

PROPER SHIPPING NAME: Not applicable.

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)

TSCA INVENTORY STATUS: Listed on TSCA Inventory of Chemical Substances.

OTHER TSCA ISSUES: None.

SARA TITLE IN/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

INGREDIENT NAME

SARA/CERCLA RQ (Ib)

SARA EHS TPQ (Ib)

No ingredients listed in this section.

Spills or releases resulting in the loas of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

SECTION 311 HAZARD CLASS: Immediate,

SARA 313 TOXIC CHEMICALS:

MSDS Number: EGC-0001

Current Issue Date: April, 2003

Page 5 of 6

REBA

Ammonium Thiosulfate Solution

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percents are found in Section 2.

INGREDIENT NAME

No ingredients listed in this section.

COMMENT

STATE RIGHT-TO-KNOW

In addition to the Ingredients found in Section 2, the following are listed for state right-to-know purposes.

INGREDIENT NAME

No ingredients listed in this section.

WEIGHT % COMMENT

ADDITIONAL REGULATORY INFORMATION:

WHMIS CLASSIFICATION (CANADA):

FOREIGN CHEMICAL CONTROL INVENTORY STATUS:

Listed on Canadian DSL and EU EINECS.

16. OTHER INFORMATION

CURRENT ISSUE DATE:

PREVIOUS ISSUE DATE: January, 2003

CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:

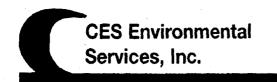
Change in company name.

OTHER INFORMATION:

This product is not for food or drug use.

MSDS Number: EGC-0001 Current Issue Date: April, 2003 Page 6 of 6

Texas Oil Tools (BrangAGA)



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/26/2007

Dear Robert

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2027

Generator: Texas Oil Tools (Brandt NOV)

Address: 2800 North Frazier Street

Conroe, TX 77303

Waste Information

Name of Waste: Dried paint filters TCEQ Waste Code #: 00044091

Container Type:

Detailed Description of Process Generating Waste:

Dry paint booth filtration system

Color: various

Odor: none

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener Company:	ator Information Texas Oil Tool (Br	and NOV		هنور -	
Address:	2800 N. Frazier	and NOV)			
City, State, Zip:	Conroe, TX 77305	-2327			
Contact:	Robert Ybarra		Title:	HSE Mgr.	
Phone No:	936-523-2749		Fax No:	936-756-4809	
24/br Phone:	CES-713-676-1460)			
U.S. EPA LD. No:	TXD052040409	*************************************		. Δ	
State I.D.	36294		SIC Code:	NA	
SECTION 2: Billing Company: Address:	Information – 🛛 S	ame as Ahove			
City, State. Zip:					
Contact:		Title:			
Phone No:		PAI NO:			
SECTION 3: Gener	al Description of the	Waste			
Name of Waste: <u>Dri</u> Detailed Description		ing Weste: <u>Dry Paint Boo</u>	th Filtration Syste	w	
Physical State:	☐ Liquid	☐ Sludge	Powder		
, mysicar seems	Solid	Filter Cake	Combinatio	•	
	EX 2010	C Fine Care		•	
Color: various	C	dor: <u>none</u>			
Specific Gravity (wa	ter=1): <u> . </u>	Density: 9 lbs/gal			
Layers:	Single-phase	Multi-phase			
Container Type:	☐ Drem	☑ Tote [Truck	Other (explain)	
Container Size:	•	1vd			
Container size.					
Frequency:	☐ Weekly		Quarterly	☐ Yearly	
Number of Units (co		Other:			
Texas State Waste (Code No: OU	044091			
Proper U.S. DOT SI	hipping Name:	Non-RCRA: Non-D			
Class: NA	UN/N	A: NA	PG: N	RQ: N	A
		Runctive Sulfides	Reactive (vanides Solids	
Flash Point	pH	Omg/l	Qmg/i	100%	
>140	neutral TOC	Zinc	Copper	Nickel	
Oll&Grease	>1500mg/l	Qmg/l	Qmg/I	Qmg/I	

Nov-08-06 01:52P Texas Oil Tools

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	OF %
Dried Paint Filters	95-100	%
Misc. Trash	0-5	%
		1

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval puckage. Ananiysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Cenerator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:
TCLP Volatiles:
TCLP Semi-Volatiles:
Reactivity:
Corrosivity:
Ignitability:

X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Printed Name Title: Kenneth Waldrum / Sal	ety specialist
CES LISE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Collary A	Additional Information:
Date: 1-26-07 Approved Rejected	DS \$50/dm; \$125/see

2

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? \(\square\) YES If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	11 the	waste contains on and grease at or in excess of to	o mg/L, me waste should be ch	assiried in the ons subcategory.
(2)		waste contains oil and grease less than 100 mg/L, values listed below, the waste should be classified		sted below in concentrations in excess
	Chron Coppe	nium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L el: 37.5 mg/L		
(3)		waste contains oil and grease less than 100 mg/L, above any of the values listed above, the waste sh		
		Metals Subcategory		
		Oils Subcategory	·	
		Organics Subcategory		

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225. Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460

7136761676 Fax:

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

6100668

Client Sample ID:

Paint Filters

Extended ID:

Texas Oil Tools

Sample Collect Date: 10/24/2006 @ 3:30:00 PM

Sample Type:

Grab

Sample Receipt Date: 10/25/2006 @ 1:15:00 PM

Test Group / Method		· · · · · · · · · · · · · · · · · · ·			
TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Antimony	0.032	1	< 0.032	mg/L	11/3/2006 / 3:56 AM
Arsenic	0.014	5	< 0.014	mg/L	11/3/2006 / 3:56 AM
Barium	0.0005	100	0,479	mg/L	11/3/2006 / 3:56 AM
Beryllium	0.0005	0.08	0.0025	mg/L	11/3/2006 / 3:56 AM
Cadmium	0.002	1	0.063	mg/L	11/3/2006 / 3:56 AM
Chromium	0.002	5	0.014	mg/L	11/3/2006 / 3:56 AM
Lead	0.005	5	0.009	mg/L	11/3/2006 / 3:56 AM
Nickel	0.003	70	0.083	mg/L	11/3/2006 / 3:56 AM
Selenium	0.024	1	< 0.024	mg/L	11/3/2006 / 3:56 AM
Silver	0.002	5	< 0.002	mg/L	11/3/2006 / 3:56 AM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: TRAHM Date / Time
Mercury	0,0002	0.2	< 0.0002	mg/L	11/1/2006 / 10:53 PM
Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL		Result	Units	Analyst: TFR Date / Time
C6 - C12 Hydrocarbons	4	or sales	654	·mg/kg	11/1/2006 / 2:00 AM
>C12 - C28 Hydrocarbons	8		1890	mg/kg	11/1/2006 / 2:00 AM
>C28 - C36 Hydrocarbons	8		< 8	mg/kg	11/1/2006 / 2:00 AM
Total TPH	20		2540	mg/kg	11/1/2006 / 2:00 AM
TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time
2-Butanone	0.05	200	< 0.05	mg/L	11/1/2006 / 12:43 AN

Report Date: 03-Nov-06

Page 1 of 2

6100668

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

MES

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	LOW CHECK STD	ICS %REC
Antimony	< 0.032	103.8	98.8	4.89	< 0.032	96.5	118.0	96.4
Arsenic	< 0.005	100.3	91,9	8.72	< 0.005	98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	92.6	92.4	86.1
Beryllium	< 0.002	90.9	95.9	5.36	< 0.002	92.6	93.6	93.5
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001	88.1	91.6	83.4
Chromium	< 0.001	.106.5	107.8	1.21	< 0.001	92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002	93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0	100.0	
Nickel	< 0.001	103.0	104.0	0.97	< 0.001	94.3	95.2	85.3
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001	97.2	96.0	90.6

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC	
Dibromofluoromethane Toluene-d8	101.6 101.5	
4-Bromofluorobenzene	94.5	

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC		
C6-C12 C12-C28		< 4 < 8	114.8 117.0	96.0 98.0	97.8 97.8		

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature

Holland D. Gilmore / Laboratory Director

November 03, 2006

Mercury Environmental Services, Inc.

-2814764406

94

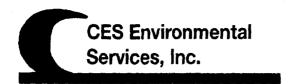
		nes tel					ES					TODY	(281) 476-4	IMES 4534
COMPANY ADDRESS:	et.	ATE	715			Merci 6913 H	1 ry E r vy. 225	vironn • Deer Pa	tenta rk, TX	l Se i 77536	rvice	s	Fax (281)-476	4406
CONTACT PERSON'S NAME: 647 17 CONTACT PERSON'S PHONE: 7/5-4/7	1001.4n	nie	ZIP			P/	RAMET	AS FOR A	NALYS	S	,	Π	REMARKS	,
CONTACT PERSON'S NAME: 2/1-4/17	·5-737				4	(#Y)		x/ /x/	/ /	' /	NUMBER OF COME	£ /	TURNAROUND	TIME
						14	/ 3	V / /		: /		W. /	STD .	
YOUR PROJECT NO.: YOUR P.O. A: Texas Oil 70015 UBL Gay	75	vour pro Kas Ci l	DIECT NAME:			7)), P	10	7 7			/ હૈ	00	DETECTION LIN	
PROJECT ADDRESS:		100	750/-			Va	7 13	/ /		1	18	PRESERVATIONS	SPECIAL LIMITS REG	
					/ \/\	10	1 12	1	/	/	A S	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Please circle one,	ii Yes,
YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATE		-			ļ ——		-	4	piease describe b or include separ	rate
paint Felters	6	10260	1:30	5	1	十一	1		1		1	·	sheet detailing requirements	
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PERSON TAKING SAMPLE SIGNATURE (a Print Name		1	An		RELINQUISHE (Signalure)	- 10 BA:	11		DA	1/25	TIME	HE IS	CEIVED BY:	
RELINOUISHED BY: DAY BYWALLY	E TIME	RECERCES			RELINQUISHE	3					1/			
[Signalure]	C IIME	(Signetore)	B1.		(Signature)	0			DA	IE	TIME		CENED BY: nature)	
METHOD OF PAYMENT SHI	PPED BY:		Lon	JRIER	<u> </u>			RECEIVED	FOR ME	S RV-			DATE TIME	
	nature)			เขาเล)				(Signature)	· VII MIE				I I I I I I I I I I I I I I I I I I I	
Sample Remainder Disposal		· .			Request	l ph To f	Niennee O	All Samele	Domain	rlare				
				•	- Manage			rai gainpie	r vatriajni	U-C1 16			10-25-0) <u></u>
☐ Return Sample Remainder To Client Vis					(Signature)	_ / \		سرسے اول	-			Date)	111-21-0	0

CES Environmental Services, Inc.

4904 Griggs Rd. Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

Fax Transmittal

Total N	lumber of Pages (Including cover sheet):		
Date:	11-8-06		
То:	Rubert Ybarra	936-756-4809	
	Texasoil Tools		
From:	Gary Brauckman CES Environmental Services, Inc.		
	Mobile: (713) 417-5737		
Notes:	Robert!		
	Here is a copy	at your profile to	
	paint Filters & a	analysis, Pleases	190
7	Here is a copy paint Filters & a he frafile o seturn U	in fax. Cet me And	2)
	f you have any chang	125	
	Th-1943		
-	1		
	13-2	,	
	· · · · · · · · · · · · · · · · · · ·		



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: 5-8

Waste Pre-Acceptance/Approval Letter

Date 1/30/2007

Dear **Ted Perez**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2028

Generator: Compass Chemical International

Address: 500 Hwy 19

Huntsville, TX 77342

Waste Information

Name of Waste: Oily water and soap

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Cleaning of tank that once had unused oil

Color: varies

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Odor: none

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

WW 1000 0002403009 P



20-

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.ccscnvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

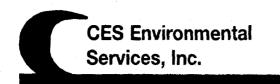
SECTION 1: Gener	rator information										
Company:	Compass Chem	ical Interr	national							····	
Address :	600 Hwy 19 50	0 Hwy 19							• • • •		
City, State, Zip:	Huntsville TX 7	342			14 649 1 400						
Contact;	Ted Perez					Ti	ie :				
Phone No:	(936) 291-1750					Fa	x:	(936) 29	1-2102		
24 / HR Phone:					.						
U.S EPA I.D No :	NA	-							NA		
State I.D:	NA				,	SI	C Code	NA			
SECTION 2: Billing											
Company:	Compass Chem		ational								
Address :	600 Hwy 19 500										
City, State, Zip :		342									
Contact :	Ted Perez			• •••		-	ie :	Office Mg			
Phone No:	(936) 291-1750					Fa	X:	(936) 291	1-2102		
SECTION 3: Genera	al Description of t	ne Wasta									
Name of Waste :	Oily water and s	oap									
Detailed Descript	tion of Process	Generatir	na Wast	e:			,			· - · · · · · · · · · · · · · · · · · ·	
Cleaning of tank th				-				1			
hysical State :	₩ Liquid		(T) Sh	udge	1	Powde	r				
The contract of the contract o			_	-	·	•					
	∐ 8olld		Fil	ter Cake	I	Combi	nation				
Color :			aensv		Odor :	:			<u>n</u>	on	······································
Specific Gravity (Water=1) :		.9-1		Densi	ty:				lb	8 / gal
Ayers :	Ø Single-P	has	∏ Mi	ılti-Phai	:0						
Container Type :	i Dom	О	Tote	$ \mathbf{Z} $	Truck	i i Ori	her (ex	nlaint			
Container Size :	500			ري ا		1					
Jumber Of Units						•					
exas State Wast			Recycle								
			<u> </u>	•••			.4	h			
Proper U.S. State	Waste Code No	· :	····			Recy	Clable 0	ly water			
Class: na		UN/NA:	, na			PG:	na			RQ :	na
Flash Poin	ıt	рН		Read	tive Sulfic	les	Rose	tive Cyan	des	Solids	
>200		5-θ			0	mg/l		0	mg/l	0	%
Oil and Grea	se	TOC			Zinc			Copper		Nickel	
10	mg/l	0	_ mg/!		0	_mg/l		0	mg/l	0	mg/l

SEC	TION 10: Waste Receipt Classification Under 40 CFR 437
is th	nis material a wastewater or wastewater sludge? 💢 YES 💆 NO
 	ES', complete this section
PLE	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Mat	als Subcetegory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and aludges
\Box	Spent anodizing solutions
	Incingration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without matels
	Cleaning, rinaing, and surface preparation solutions from electropiating or phospha
51	Vibratory deburring wastewater
	Alkalina and acid solutions used to clean metal parts or equipment
_	
	Subpategory: Subpart 8
	Used oils
Zł	Oil-water emulaiona or mixtures
	Lubricants
	Coolants
Ш	Contaminated groundwater cleari-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
. Ц	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
""	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundweter clean-up from non-petroleum sources
L	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
Γi	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
\Box	Westewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

3

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/30/2007

Dear Grayson Martin

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2029

Generator: Ovalen Development LLC

Address: 6655 West Bay Road

Baytown, TX 77520

Waste Information

Name of Waste: Recyclable oily water and amine mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water and amine mixture from cleaning out of reactor bottoms

Color: dark

Odor: ammonia

pH: 8-13.5

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



DC

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCFQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rutor Information				
Company:	Ovalen Developm	ent LLC			
Address:	6655 West Bay Re	rad			
City, State, Zip:	Baytown, TX 775	20			:
Contact:	John Douglass		Title:	Manager	
Phone No:	318-518-7634		Fax No:	713-622-6359	·
24/hr Phone:	318-518-7634				
U.S. EPA I.D. No:	N.A				
Stute I.D.	NA		SIC Code:	NA	
SECTION 2: Billing	g Information - 🔯	Sa <u>me as Above</u>			
Company:					
Address:				***	
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax N	n:		
_					
ECTION 3: Gener	al Description of th	e Waste			
					
	cyclable Oil water an of Process General	<u>d amine mixture</u> ing Waste: <u>Oil water a</u>	nd amine mixture fro	om cleaning out o	f reactor bottoms
hysical State:	Liquid ■ Liquid	Sludge	Powder		
·	☐ Solid	Filter Cuke	Combinatio	n	
		Fines Cince	COMPANIATION	••	
otor: <u>dark</u>		Odor: ammonia			
				•	
pecific Gravity (wa	ter=1): <u>0.8-1.2</u>	Density: 8 lbs/gal			
ayers:	Single-phase	⊠ Multi-pha	ie		
,					
ontainer Type:	Drum	⊠ Tote	☐ Truck	Oth	er (explain)
Container Size:		300 gal			
Witainer Size:		300 day			
				·	
requency:	☐ Weekly	Monthly	Quarterly	☐ Yea	rly
umber of Units (co	ntainers): 15	Other:			
	ode No: Re				
roper U.S. DOT Sh	ipping Name:	Waste Corrosive			·
luss: 8	ŬN/N	A: 1760	PG:		RQ: NA
lash Point	рН	Reactive Sulfides	Reactive C	yanides	Solids
lone	<u>8-13.5</u>	NAmg/I	NAmg/i	•	1-2%
il&Grease	TOC	Zinc	Copper'	Nickel	
1000mg/l	>1500mg/l	NAmg/I	NAmg/I	NAmg/l	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Flush Oil	0-10	1%	
Heat Transfer Fuel	0-10	%	
Propylamine	0-10	9/6	
Water	0-70	%	
Solids	1-2	%,	
<u> </u>		 	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPI

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

<u>x</u>
X
<u>x</u>
<u>x</u>
<u>x</u>
<u>x</u>

Authorized Signature:

SECTION 9: Generator's Certification

Printed Name/Titles John Doglas/M

The information contained herein is based on 🔯 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Trined (dame) Files South Deligia virtualization	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Labout Bhange	d Additional Information: \$125/tote, Separate
Date: 1-30-07 Approved Reject	od bottem and neutralize
Approval Number: 2029	REC

Date: 1-19-07

<u>SI</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 4	<u>437</u>	
Īs	this material a wastewater or wastewater sludge? YES	⊠ NO	
lf	'Yes', complete this section		
PI	LEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	ROPRIATE CATEGORY, GO TO THE NEXT PAGE.	
Meta	ils Subcutegory: Subpart 4		
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equip		
Oils .	Subcategory: Subpart B		
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources	2 8	
	Used petroleum products Oil spill clean-up Bilge water		
	Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes		
<u>Organ</u>	nics Subcategory: Subpart C		
	I andfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or cpoxics formulation Wastewater from organic chemical product operations I ank clean-out from organic, non-petroleum sources	nurces	

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.		
(2) If the waste contains oil and grease less than 100 mg/l, and has any of the pollutants listed below in concentration of the values listed below, the waste should be classified in the metals subcategory.			
	Chroi Copp	nium: 0.2 mg/L mium, 8.9 mg/L er: 4.9 mg/L el: 37.5 mg/L	
(3)		waste contains oil and grease less than 100 mg/L. I above any of the values listed above, the waste sh	and does not have concentrations of cadmium, chromium, copper, could be classified in the organics subcategory.
		Metals Subcategory	
		Oils Subcategory	
		Organics Subcategory	

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you clid not furnish data for the concentration of Cadimum, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.





Personal Protection	Н
Reactivity	0
Fire	3
Health	3

Material Safety Data Sheet Propylamine MSDS

Section 1: Chemical Product and Company Identification

Product Name: Propylamine

Catalog Codes: SLP4195

CAS#: 107-10-8

RTECS: UH9100000

TSCA: TSCA 8(b) inventory: No products were found.

CI#: Not available.

Composition:

Synonym: 1-Aminopropane

Chemical Name: Propylamine

Chemical Formula: C3-H9-N

Contact Information:

Sciencelab.com, Inc. 14025 Smith Rd. Houston, Texas 77396

US Sales: 1-800-901-7247

International Sales: 1-281-441-4400

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:

1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients CAS # % by Weight

Name	CAS#	% by Weight
Propylamine	107-10-8	100

Toxicological Data on Ingredients: Propylamine: ORAL (LD50): Acute: 570 mg/kg [Rat]. VAPOR (LC50): Acute: 2310 ppm 4 hour(s) [Rat]. 731.2 ppm 4 hour(s) [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:

Very hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant, corrosive), of ingestion, of inhalation (lung irritant, lung sensitizer). Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Classified None. for human. TERATOGENIC EFFECTS: Classified None. for human.

DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [SUSPECTED]. Classified

Reproductive system/toxin/male, Development toxin [None.].

The substance is toxic to kidneys, lungs, heart.

Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an

highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eve Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:

Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 317°C (602.6°F)

Flash Points: OPEN CUP: -37.26°C (-35.1°F).

Flammable Limits: LOWER: 2% UPPER: 10.4%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Explosive in presence of open flames and sparks, of heat.

Fire Fighting Media and Instructions:

Flammable liquid, soluble or dispersed in water.

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Vapors are heavier than air and may travel to a source of ignition and flash back

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:

Flammable liquid.

Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:

Keep locked up Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Never add water to this product In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents, organic materials.

Storage:

Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

Finland: STEL: 5 (ppm) SKIN

Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Ammoniacal.

Taste: Not available.

Molecular Weight: 59.11 g/mole

Color: Colorless.

pH (1% soln/water): Not available.

Boiling Point: 48.5°C (119.3°F)

Melting Point: -83°C (-117.4°F)

Critical Temperature: 223.8°C (434.8°F)

Specific Gravity: Not available.

Vapor Pressure: 245 mm of Hg (@ 20°C)

Vapor Density: 2.04 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:

Partially dispersed in hot water, diethyl ether.

Very slightly dispersed in cold water. See solubility in diethyl ether, acetone.

Solubility:

Easily soluble in acetone.

Partially soluble in hot water, diethyl ether.

Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, organic materials.

Corrosivity: Non-corrosive in presence of glass, of steel.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.

Acute oral toxicity (LD50): 570 mg/kg [Rat].

Acute toxicity of the vapor (LC50): 731.2 ppm 4 hour(s) [Mouse].

Chronic Effects on Humans:

MUTAGENIC EFFECTS: Classified None. for human. TERATOGENIC EFFECTS: Classified None. for human.

DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [SUSPECTED]. Classified

Reproductive system/toxin/male, Development toxin [None.].

The substance is toxic to kidneys, lungs, heart.

Other Toxic Effects on Humans:

Very hazardous in case of skin contact (irritant, sensitizer), of eye contact (corrosive), of ingestion, of inhalation (lung irritant, lung sensitizer).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term

degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : Propylamine : UN1277 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:

Pennsylvania RTK: Propylamine

Florida: Propylamine

Massachusetts spill list: Propylamine

New Jersey: Propylamine

TSCA 8(b) inventory: No products were found. TSCA 4(a) proposed test rules: Propylamine

TSCA 8(d) H and S data reporting: Propylamine: Mar 7, 1986

CERCLA: Hazardous substances.: Propylamine

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).

CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):

R11- Highly flammable.

R20/21- Harmful by inhalation and in

contact with skin.

R36/37/38- Irritating to eyes,

respiratory system and skin.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves.

Lab coat.

Vapor respirator. Be sure to use an approved/certified respirator or

equivalent. Wear appropriate respirator

when ventilation is inadequate.

Splash goggles.

Section 16: Other Information

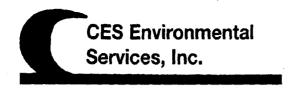
References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 06:13 PM

Last Updated: 10/09/2005 06:13 PM

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/30/2007

Dear Grayson Martin

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2030

Generator: Ovalen Development LLC

Address: 6655 West Bay Road

Baytown, TX 77520

Waste Information

Name of Waste: Recyclable hydrocarbon and water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water from the washout of reactor bottoms

Color: dark

Odor: hydrocarbon

pH: 8-12.5

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information				
Company:	Ovalen Developm	nent L.L.C			
Address:	6655 West Bay R				
City, State, Zip:	Baytown, TX 77	520			
Contact:	John Douglass		Title:	Мападег	
Phone No:	318-518-7634		Fax No:	2713-622-6359	
24/hr Phone:	318-518-7634				
U.S. EPA I.D. No:	NA) A.	
State I.D.	NA		SIC Code:	NA	· ·
SECTION 2: Billin	g Information – 🏻	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax No			
-					
SECTION 3: Genc	ral Description of ti	ic Waste			
Name of Waste: Re Detailed Description		on and Water mixture ting Waste Oily water fr	om the washout of i	reactor bottoms	
Physical State:	⊠ Liquid □ Solid	Sludge Filter Cake	Powder Combination	1	
Color: <u>dark</u>		Odor: hydrocarbon			
Specific Gravity (wa	iter=1): <u>0.8-1.2</u>	Density: 8 lbs/gal			
Layers:	Single-phase	Multi-phase			
Container Type:	☐ Drum	☐ Tote	Truck	Other (explain)	
Container Size:			5000 gal		
		. Differential	57 0	□ Variable	
Frequency:	Weekly	☐ Monthly	Quarterly	Yearly	
Number of Units (co		Other:			
Texas State Waste C	Code No: R	ecyclable 			
Proper U.S. DOT St	ipping Name:	Recyclable Hydroc	arbon and Water M	lixture	
Class: NA	UNIN	A: NA	PG: NA	RQ:	۸۸
			· · · · · · · · · · · · · · · · · · ·	· .	
Flash Point	pH	Reactive Sulfides	Reactive Cy		Į
None	8-12.5	NAmg/I	NAmg/I	1-2%	
Oil&Grease	TOC	Zinc	Copper	Nickel	
~1000ma/l	>1500mm/l	NA-may/I	N/A/I	NAma/I	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	85-90	0/6
Oil (vegitable, hydraulic)	5-10	%
Solids	1-2	96

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Metals are below regulatory limits

TCLP Volatiles:

TCLP Volatiles are below regulatory limits

TCLP Semi-Volatiles:

Authorized Signature:

<u>FCLP Semi-Volatiles are below regulatory limits</u> No reactive materials are introduced into the process

Reactivity:

pH is Neutral

Corrosivity: Ignitability:

No ignitable materials are in the process

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials
tested are representative of all material described by the document.

CEN UNE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Publication Additional Information: 40,08/gal

Date: 1-29-07

Approval Number: 2030

Approval Number: 2030

Approval Number: Rejected Mse oil REC

51	CCTION 10: Waste Receipt Classification Under 40 CFR 437
is	this material a wastewater or wastewater sludge? YES NO
lf	'Yes', complete this section.
PI	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Mete	ils Subcategory: Subpart 4
	Spent electroplating baths and/or sludges Metal linishing rinse water and sludges Chromate wastex Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcutegory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orva</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.		
(2)		waste contains oil and grease less than 100 mg/L, and values listed below, the waste should be classified in	has any of the pollutants listed below in concentrations in exce the metals subcategory.
		nium: 0.2 mg/L	
		mium. 8.9 mg/L	
		cr: 4.9 mg/L	
	NICKC	d: 37.5 mg/L	
(3)		waste contains oil and grease less than 100 mg/L, and I above any of the values listed above, the waste shoul Metals Subcategory	does not have concentrations of cadmium, chromium, copper, of the classified in the organics subcategory.
	لبيبا		
		Oils Subcategory	
		Organics Subcategory	

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



Address:

906 Clinton Dr., Galena Park, Texas 77547

Info. Phone: Emergency Phone: (713) 455-1231 (713) 450-7422

1.0 PRODUCT IDENTIFICATION

Trade Name:

Refinery Feedstock

Date Revised: 09-24-99

Synonyms:

Petroleum Distillate; Petroleum Hydrocarbons, Feedstock

Chemical Name and/or Family Description:

Petroleum Hydrocarbon; a variable mixture of gasoline, diesel fuel, kerosene and petro-

chemicals.

Shipping Information:

DOT Hazard Class-Flammable Liquid, n.o.s.; UN 1993

COMPOSITION

		Exposure Limits*				
			OSHA	ACGIH		
<u>Product</u>	CAS Number	<u>Wt%</u>	PEL	TLV	-	
Transmix	Mixture	100	N.A.	N.A.	Other	Unit
Ingredient(s):						
Gasoline, which has:	Mixture	Varies	N.A.	300	500 STEL	PPM
- Benzene	71-43-2	0-5.0	1	10	5 STEL	ppm
- Toluene	108-88-3	0-25.0	100	100	150 STEL	ppm
- Xylene	1330-20-7	0-25.0	100	100	150 STEL	ppm
- Ethylbenzene	100-41-4	0-5.0	100	100	125 STEL	ppm
- n-Hexane	110-54-3	0-3.0	50	50		ppm
- Hexane (other isomers)	N.A.	<8.5	500	500	1000 STEL	ppm
- Pseudocumene	95-63-3	0-5.0	25	25		ppm
- Butane	106-97-8	<9.0	800	800		ppm
- Pentane	109-66-0	<5.0	600	600	750 STEL	ppm
- t-Butyl Alcohol	75-65-0	0-10.0	100	.100	150 STEL	ppm
- Methyl t-butyl						
Ether (MTBE)	1634-04-4	0-15.0	N.A.	N.A.		
Kerosene	8008-20-6	Varies	N.A.	N.A.	14 NIOSH	ppm
Diesel Fuel No. 2	68476-34 - 6	Varies	-5	5	10 STEL	mg/

^{* = 8} Hr. TWA unless otherwise secified. STEL = Short Term Exposure Limit; 15 minutes

SKIN = May be skin absorbed. N.A. = Not Available

Occupational

Boiling Point 760 mmHg: 70-690°F

Vapor Pressure mmHg @ 20C: 1.6-525 Solubility in H_20 %: Negligible

Specific Gravity 60/60F: 0.7 – 0.9 % Volatile by Volume: 100

Viscosity (method temp): 1.4-4.1 @ 40°C cSt

Appearance: Dark bronze liquid

Melting Point: N.A. Vapor Density (Air=1) = >5

pH: N.A.

Evaporation Rate: N.A. Odor: Hydrocarbon odor

2.0 FIRE AND EXPLOSION DATA

Flash Point: -45°F to 125°F (PM)

Flammable Limits in Air % by Vol. Lower: 0.6 Upper: 7.5

Autoignition Temperature: 410-850°F

Extinguishing Media: Dry chemical, carbon dioxide, foam and water spray.

Special Fire Fighting Procedure: Use a water spray to cool fire-exposed containers. Use a smothering technique for extinguishing fire of combustible liquid. Do not use a forced water stream directly on fires as this will scatter the fire. Firefighters should wear self-contained breathing apparatus and full protective clothing.

Unusual Fire or Explosion Hazard: Flowing liquid can be ignited by self generated static electricity; containers should be grounded and bonded.

3.0 REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid/Incompatibility: Strong oxidizing agents, heat, sparks, flame and build-up of static electricity. Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, sulfur dioxide and hydrocarbons.

4.0 HEALTH HAZARD DATA

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

Occupational Exposure Limits; See COMPOSITION section.

Effects of Overexposure:

Acute:

Eyes: Slight to moderate eye irritation.

Skin: Moderately irritating; causing redness, drying of skin.

Inhalation: Irritating to mucous membranes and respiratory tract. Will produce symptoms of intoxication such as

headache, dizziness, nausea, vomiting and loss of coordination.

Ingestion: Mild excitation, loss of consciousness, convulsions, cyanosis congestion and capillary hemorrhaging

of the lung and internal organs.

Prolonged or repeated skin contact may cause dermatitis.

May cause a reduction of erythrocytes, marrow hypoplasia, and changes in formed elements of the blood. Recent studies on gasoline exposure indicate kidney damage and kidney cancer in rats and liver cancer in mice.

Additional Medical and Toxicological Information: May aggravate pre-existing dermatitis.

5.0 EMERGENCY FIRST AID PROCEDURES

Eye Contact:

Flush thoroughly with water for at least 15 minutes. Get medical attention.

Skin Contact: Inhalation:

Remove contaminated clothing. Immediately wash affected areas with soap and water. Remove to fresh air. Apply artificial respiration if not breathing. Get medical attention.

Ingestion:

Do not induce vomiting. If spontaneous vomiting occurs, hold the victim's head lower than hips to

prevent aspiration.

6.0 SPECIAL PROTECTION INFORMATION

Eye Protection: Remove contact lenses and wear chemical safety glasses or goggles where contact with liquid or

mist may occur

Skin Protection: Wear impervious gloves when contact with skin may occur.

Inhalation:

Use approved respiratory protective equipment for cleaning large spills or entry into large tanks.

vessels or other confined spaces.

Ventilation:

Provide adequate ventilation to keep mist or vapors below allowable exposure levels.

SPILL OR LEAK AND DISPOSAL PROCEDURES

Spill Procedures: Remove sources of heat or ignition including internal combustion engines and power tools.

Clean-up spill, but do not flush to sewer or surface water. Ventilate area and avoid breathing

vapors or mists.

Waste Disposal: Dispose through a licensed waste disposal company. Follow federal, state and local regulations.

SPECIAL PRECAUTIONS AND COMMENTS

Storage Requirements: Store in tightly closed containers in a dry place, away from sources of heat or ignition. Ground and bond transfer and storage equipment to prevent static sparks. Empty containers may contain residue (liquid/or vapor) and can be dangerous. Do not pressurize. cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they can explode and cause injury or death.

9.0 EPA SARA TITLE III INFORMATION

Acute X	<u>Chronic</u> X	S	ection 311/312 <u>Fire</u> X		ategorizatio Pressure	n	<u>Reactive</u>	
SARA Hazardous Substances								
Benzene Toluene Xylene Ethylbenzene t-Butyl Alcoh Methyl t-Buty Ether (MT	ol 1		CAS No. 71-43-2 108-88-3 1330-20-7 100-41-4 75-65-0	% Wt. 0-5.0 0-25.0 0-25.0 0-5.0 0-10.0	Sec. 313 X X X X X X	Sec. 302 X	<u>RO. Ib</u> 1000	TPO
Key:	Sec. 313 Sec. 303 RQ TPQ	= Extren	Chemicals, Sec nely Hazardous table Quantity o nold Planning C	Substance of EHS	,	Section 302		

Note:

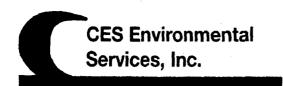
Percentage listed above represent SARA Hazardous Substances in regular gasoline. SARA Hazardous Substances in Transmix may be obtained by multiplying % Gasoline in Transmix by the above

10.0 CALIFORNIA PROPOSITION 65 WARNING

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be found in crude oil and petroleum products. Although it is possible to sufficiently refine a crude oil or its end products to remove the potential for cancer, we are advising that one or more of the listed chemicals may be present in some detectable quantities. Read and follow directions and use care when handling crude oil and petroleum products.

Industrial Hygiene Review: Daniel J. Kowal, CIH Date Prepared: 09/24/99

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of this company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to the accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitableness and completeness.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/30/2007

Dear Jonny Salinas

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2031

Generator: Kinder Morgan **Address:** 906 Clinton Dr

Galena Park, TX 77547

Waste Information

Name of Waste: Refinery feedstock / recycle

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Refinery feedstock / recycle

Color: brown

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: heat, flame, strong oxidizing agents

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: General	ator Information						
Company:	Kinder Morgan						
Address :	906 Clinton	75					
City, State, Zip:	GALENA PARY	C TX	フン547				
Contact:	Sonny Spline	<u>S</u> Title	•				
Phone No:	713-823-78	.38 Fax:	•				
24 / HR Phone:							
U.S EPA I.D No:	-21849200XZ		1	Δ			
State I.D :	30573	SIC	Code N				
SECTION 2: Billing				•			
Company:		<u>76 89</u>					
Address :	906 Clint						
City, State, Zip:	1981 ANDLAS		13547				
Contact :	Jonny Salina						
Phone No:	713-823-783	Fax:					
SECTION 3: Genera	al Description of the Waste						
Name of Waste :		ce à stocke / F	SECYCLE				
			<u> </u>				
	·		•				
Physical State:	Liquid SI						
	Solid Fi	Iter Cake 🔟 Combinat	tion				
Color:	Brow ~	Odor:	14,200	carbon			
Specific Gravity (Water=1):	Density :	6.1	8 lbs / gal			
Layers :		ulti-Phase					
Layers .	Strigie-Frids	uiti-riiase					
Container Type : Drum Tote Truck Other (explain)							
Container Size: 600							
Number Of Units	: 50						
Texas State Waste Code No: Recycle							
Proper U.S. State Waste Code No: Flammable liquids NOS (Refinary Feedstack							
-		\		1			
Class:	5 UN/NA: 190	13 PG:	<u> 11</u>	RQ: VIA			
Flash Poin	, <u>n</u> u	Reactive Sulfides	Reactive Cyanides	Solids			
- 45 F - 1		N/A mg/l	N/A mg/l	N/A %			
Oil and Grea みん	mg/l TOC mg/l	Zinc	Copper	Nickel \)\\- mg/l			

Approval Number :

Resinery Fredstock

SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. HANDER POF **SECTION 6: Attached Supporting Documents** List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDC **SECTION 7: Incompatibilities** Please list all incompatibilities (if any): Heat, Flame, Strong oxidicing Agents **SECTION 8: Generator's Knowledge Documentation** Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge TCLP Metals: / TCLP Volatilies : TCLP Semi-Volatiles : / Reactivity: Corrosivity: Ignitability: **SECTION 9: Generator's Certification** The information contained herein is based on 🛱 generator knowledge and/or 🗌 analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document. Authorized Signature : Printed Name / Title: CES USE ONLY (DO NOT WRITE IN THIS SPACE) Special Pricing / Analytical Info: We pay \$0.32/ga/ FOB.
Kinder Morgan DEMUMBLE
MUST BE BACKED OUT \$ \$165.00 -Approved Rejected Date: **Recommended Treatment:** AN hour + F.S.C AFter

100 %/2

1 free pour

SECTION	ON 10: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge? YES NO
If 'YES	S', complete this section
PLEAS	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matals	Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
o o	0.4-40
	ubcategory: Subpart B Used oils
	Oil-water emulsions or mixtures
H	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	ics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms Purpoduct waste glycol
اب ا	Byproduct waste glycol Wastewater from paint washes
	Wastewater from adhesive and/or enoxies formulation
	Wastewater from adhesive and/or epoxies formulation Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources
	Tank clean-out from organic, non-penoleum sources

CES Environmental Services, Inc.

Address:

4904 Griggs Road, Houston, TX 77021

info. Phone:

(713) 676-1460 Emergency Phone: (713) 676-1460

1.0 PRODUCT IDENTIFICATION

Trade Name:

Refinery Feedstock

Date Revised: 09-24-99

Synonyms:

Petroleum Distillate; Petroleum Hydrocarbons, Feedstock

Chemical Name and/or Family Description:

Petroleum Hydrocarbon,- a variable mixture of gasoline, diesel fuel, kerosene arid petro-

chemicals.

Shipping Information:

DOT Hazard Class: Flammable liquids, n.o.s., UN1993, PG II

COMPOSITION

<u>Product</u>	CAS Number	Wt%	Exposure OSHA PEL	ational e <u>Limits*</u> ACGIH TLV	
Transmix	<u>Mixture</u>	100	N.A.	<u>N.A.</u>	Other Unit
Gasoline, which has:	Mixture	Varies	N.A.	300	500 STEL ppm
Benzene	71-43-2	0-5.0	. 1	10	5 STEL ppm
Toluene	108-88-3	0-25.0	100	100	150 STEL ppm
Xylene	1330-20-7	0-25.0	'100	100	150 STEL pprn
Ethylbenzene	100-41-4	0-5.0	100	100	125 STEL ppm
n-Hexane	110-54-3	0-3.0	50	50	ppm
Hexane (other isomers)	N.A.	<8.5	500	500	1000 STEL pprn
Pseudocumene	95-63-3	0-5.0	25	25	ppm
Butane	106-97-8	<9.0	800	800	ppm
Pentane	109-66-0	<5.0	600	600	750 STEL ppm
t-Butyl Alcohol	75-65-0	0-10.0	100	100	150 STEL ppm
Methyl t-butyl					
Ether (MTBE)	1634-04-4	0-15.0	N.A.	N.A.	
Kerosene	8008-20-6	Varies	N.A.	N.A.	14 NIOSH pprn
Diesel Fuel No. 2	68476-34-6	Varies	5	5	10 STEL mg/

*=8 Hr. TWA unless otherwise secified. STEL - Short Term Exposure Limit; 15 minutes SKIN = May be skin absorbed. N.A. = Not Available

Boiling Point 760 mmHg: 70-690OF Vapor Pressure mmHg @ 20C: 1.6-525

Solubility in H20 %: Negligible Specific Gravity 60/60F: 0.7 - 0.9 %Volatile by Volume: 100

Viscosity (method temp): 1.44.1 @ 40C cSt

Appearance: Dark bronze liquid

Melting Point: N.A. Vapor Density (Air=1) >5

pH: N.A.

Evaporation Rate: N.A. Odor: Hydrocarbon odor



2.0 FIRE AND EXPLOSION DATA

Point: -45°F to 125°F (PM)

Figure nable Limits in Air % by Vol. Lower: 0.6 Upper: 7.5

Autoignition Temperature: 410-850°F

Extinguishing Media: Dry chemical, carbon dioxide, foam and water spray.

Special Fire Fighting Procedure: Use a water spray to cool fire-exposed containers. Use a smothering technique Spextinguishing fire of combustible liquid. Do not use a forced water stream directly on fires as this will scatter the Firefighters should wear self-contained breathing apparatus and full protective clothing.

Sual Fire or Explosion Hazard: Flowing liquid can be ignited by self generated static electricity; containers should be grounded and bonded.

3.0 REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid/Incompatibility: Strong oxidizing agents, heat, sparks, flame and build-up of static electricity. Hazardous Decomposition Products: Carbon monoxide, carbon dioxide; sulfur dioxide and hydrocarbons.

4.0 HEALTH HAZARD DATA

NTP: No IARC Monographs: No OSHA Regulated: Carcinogenicity:

Occupational Exposure Limits; See COMPOSITION section.

Effects of Overexposure:

Acute:

Eyes.

Slight to moderate eye irritation.

Skin:

Moderately irritating; causing redness, drying of skin.

inhalation:

Imitating to mucous membranes and respiratory tract. Will produce symptoms of intoxication such as

headache, dizziness, nausea, vomiting and loss of coordination.

Ingestion:

Mild excitation, loss of consciousness, convulsions, cyanosis congestion and capillary hemorrhaging

of the lung and internal organs.

prolonged or repeated skin contact may cause dermatitis.

May cause a reduction of erythrocytes, marrow hypoplasia, and changes in formed elements of the blood. Recent ctudies on gasoline exposure indicate kidney damage and kidney cancer in rats and liver cancer in mice

Additional Medical and Toxicological Information: May aggravate pre-existing dermatitis.

EMERGENCY FIRST AID PROCEDURES

Eye Contact:

Flush thoroughly with water for at least 15 minutes. Get medical attention.

skin Contact:

Remove contaminated clothing. Immediately wash affected areas with soap and water.

Inhalation: ingestion:

Remove to fresh air. Apply artificial respiration if not breathing. Get medical attention. Do not induce vomiting. If spontaneous vomiting occurs, hold the victim's head lower than hips to

prevent aspiration.

6.0 SPECIAL PROTECTION INFORMATION

Eve Protection: Remove contact lenses and wear chemical safety glasses or goggles where contact with liquid or

skin Protection: Wear impervious gloves when contact with skin may occur.

inhalation:

Use approved respiratory protective equipment for cleaning large spills or entry into large tanks,

vessels or other confined spaces.

ventilation:

Provide adequate ventilation to keep mist or vapors below allowable exposure levels.

7.0 SPILL OR LEAK AND DISPOSAL PROCEDURES

Spill Procedures: Remove sources of heat or ignition including internal combustion engines and power tools.

Clean-up spill, but do not flush to sewer or surface water. Ventilate area and avoid breathing

vapors or mists.

Waste Disposal: Dispose through a licensed waste disposal company. Follow federal, state and local regulations.

8.0 SPECIAL PRECAUTIONS AND COMMENTS

Storage Requirements: Store in tightly closed containers in a dry place, away from sources of heat or igrition.

Ground and bond transfer and storage equipment to prevent static sparks. Emp.y

containers may contain residue (liquid/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or

other sources of ignition; they can explode and cause injury or death.

9.0 EPA SARA TITLE III INFORMATION

				•					
			Se	ection 311/312	Hazard Ca	tegorization	l		
Acute X		Chronic X		Fire X	Ē	ressure		Reactive	
^		A		^					
				SARA Hazar	dous Subs	tances			
		Ingredient		CAS No.	% Wt.	Sec. 313	Sec. 302	RO. Ib	TPO
Benzene				71-43-2	0-5.0	X	X	1000	
Toluene				108-88-3	0-25.0	Х			
Xylene				1330-20-7	0-25.0	Х			
Ethylbenze	ne			100-41-4	0-5.0	X			
t-Butyl Alco				75-65-0	0-10.0	х			
Methyl t-Bu									
Ether (N		E)		1634-04-4	0-15.0	X			
Ke	v:	Sec. 313	= Toxic	Chemicals, Se	ction 313				
	•	Sec. 303		mely Hazardou		es (EHS).	Section 302	2	
		RQ		rtable Quantity				-	

Note:

TPQ

Percentage listed above represent SARA Hazardous Substances in regular gasoline. SARA Hazardous Substances in Transmix may be obtained by multiplying % Gasoline in Transmix by the above

10.0 CALIFORNIA PROPOSITION 65 WARNING

= Threshold Planning Quantity of EHS

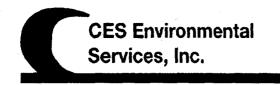
Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be found in crude oil and petroleum products. Although it is possible to sufficiently refine a crude oil or its end products to remove the potential for cancer, we are advising that one or more of the listed chemicals may be present in some detectable quantities. Read and follow directions and use care when handling crude oil and petroleum products.

Industrial Hygiene Review: Daniel J. Kowal, CIH

Date Prepared: 09/24/99

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of this company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to the accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitableness and completeness.

3032 GATX (Heagne) Prof# 2032



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/30/2007

Dear Ricardo Salias

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2032

Generator: GATX (Hearne)

Address: 1401 W. Brown St.

Hearne, TX 77859

Waste Information

Name of Waste: Water and disulfide oil mixture

TCEO Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Water and disulfide oil mixture

Color: black

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: strong oxidizing agents Safety Related Data/Special Handling:

standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generato	r Information	•				
Company:	GATX (LEAR	NE)				
Address :	1401. W. Bra	on st				
City, State, Zip :	HEAFNE	TX 778	559			
Contact :	Ricardo S		tle :	·		
Phone No :	979-279-	3481 Fa	ıx :			
24 / HR Phone :						
U.S EPA I.D No :	7x0000839	5207		1		
State I.D :	32643	SI	C Code	NA		
·**		•				
SECTION 2: Billing Inf	ormation					
Company :	10ATX (HEA	rne!			·	
Address :	P.O. 301 9	69				
City, State, Zip:	He were	* 772	and a			
Contact:	Ricardos ?	TI earlac	tle :			
Phone No:	- prs-prp	3481 Fa	x:			
SECTION 2: Compared D	intion of the Milante				•	
	escription of the Waste	. 17 1	>i\ mix	1		
Name of Waste :	SNA 75tew	Disulfide ?	"3' i Ant' X	Ture		
Physical State :	Liquid	ludge 🛅 Powde	er			
	Solid F	ilter Cake 💹 Combi	nation			
		_				
Color:	Black	Odor:	144	9100×	, ~	
Specific Gravity (Wa	ter=1): \ 08 - \ \	Density:	J - 1	· 9.34	lbs / gal	
Layers :		lulti-Phase				
Layers .	S Offigie-Files	iuiu-r iiase			•	
Container Type : 🔟	Drum 🖳 Tote	Truck 🕜 Ot	her (explain)			
Container Size :	·	6000				
Number Of Units :	20					
Texas State Waste C	ode No: RECYCLE					
Proper U.S. State Wa	ste Code No : Comba		Nos!	Disulfide	= 0:1) Rea	
. 1 -	3 UN/NA: 1991	(1		10: NA 200	noll
Class:	ON/NA: \ \ ()	<u> </u>	NA_	K	· · · · · · · · · · · · · · · · · · ·	J -C 16
Flash Point	рН	Reactive Sulfides	Reactive Cya	ınides	Solids	
>1400°	A/W	1/1/2 mg/l	WIA	mg/l	NIA %	
Oil and Grease					Nickel	
. 1	ng/l TOC mg/l	Zinc	Copper	mg/l	Micker M mg/l	

SECTION 4: Physical and Chemical Data	
Disulfides oil 70 to 90	
WATER 10 to 30%	
SECTION 5: Safety Related Data	
If the handling of this waste requires the use of special protective equipme	ent, please explain.
Standard PPE	
SECTION 6: Attached Supporting Documents	
List all documents, notes, data, and/or analysis attached to this form as pa	art of the waste approval package.
MSDS # 1671-05	
SECTION 7: Incompatibilities Please list all incompatibilities (if any):	
Strong oxidizing Agents	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, listed below, V following generators knowledge	NAS NOT PERFORMED based upon the
TCLP Metals:	
TCLP Volatilies:	
TCLP Semi-Volatiles :	
Reactivity : // Corrosivity : //	
gnitability:	
SECTION 9: Generator's Certification	
The information contained herein is based on generator knowledge and above and attached description is complete and accurate to the best of my deliberate or willful omissions of composition properties exist and that all disclosed. I certify that the materials tested are representative of all materials to the composition properties exist and that all disclosed. I certify that the materials tested are representative of all materials to the composition of the composi	knowledge and ability to determine that no known or suspected hazards have been
/ Printed Name / Title :	7
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Special Pricing / Analytical Info:
Compliance Officer: Kahhan Physide	For Trans and Management Fee Should be broken but 50/50
Date: 1-29-07 Status: Approved Rejected	Recommended Treatment:
Approval Number: 2032	Test for Sodium and ASH By the soliton of the Oil will be at the bottom of the Pull of water and send
	oil to CES FUEL PANK
2 2	@ KM+EX RECYCLE

SEC	TION 10: Waste Receipt Classification Under 40 CFR 437
Is th	is material a wastewater or wastewater sludge?
If 'Y	ES', complete this section
PLE	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Mat	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils	Subcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

Jerry McCurtain

From:

Ricardo.Salias@gatx.com

Sent:

Monday, January 29, 2007 1:34 PM

To:

imccurtain@cesenvironmental.com

Subject: MSDS

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 01/29/2007 01:32 PM -----

Ricardo Salias/CHI/GATXCORP

To Matt Bowman

cc

12/14/2006 10:00 AM

Subject

---- Forwarded by Ricardo Salias/CHI/GATXCORP on 12/14/2006 10:00 AM -----

Cover Sheet:

Link

French MSDS:

MSDS NUMBER:

CUSTOMER NUMBER:

STOCK NUMBER:

CIN NUMBER:

1671-05

STCC NUMBER:

40 251 14

Material Safety Data Sheet

MERICHEM COMPANY

4800 TEXAS COMMERCE TOWER

HOUSTON, TEXAS 77002-3068 24 HR EMERGENCY: 713/455-1311

CHEMTREC:

800/424-9300

DISULFIDE OIL

----A. PRODUCT INFORMATION -----

PRODUCT CODE:

DSO

COMMON NAME/SYNONYMS:

INERT OIL OR DISULFIDE OIL (22-24% SULFUR)

CHEMICAL NAME(S):

SEE SECTION G

DOT SHIPPING NAME/ID NO.:

COMBUSTIBLE LIQUID N.O.S. (DISULFIDE OIL) /NA1993

HMIS RATING:

HEALTH - 1

FLAMMABILITY - 2

REACTIVITY - 0

LEAST = 0

SLIGHT = 1 MODERATE = 2

HIGH = 3

EXTREME = 4

PRODUCT APPEARANCE/DESCRIPTION:

A BLACK, OILY LIQUID WITH A CHARACTERISTIC PUNGENT ODOR. IRRITATING TO SKIN, EYES AND MUCOUS MEMBRANES. HARMFUL IF INHALED. COMBUSTIBLE.

----B. FIRST AID INFORMATION -----

EYE CONTACT:

IMMEDIATELY FLUSH THE EYES WITH PLENTY OF RUNNING WATER, INCLUDING UNDER THE EYELIDS, FOR AT LEAST 15 MINUTES.

SKIN CONTACT:

IMMEDIATELY WASH FROM THE SKIN BY REMOVING CONTAMINATED CLOTHING AND FLUSHING THE EXPOSED AREA WITH PLENTY OF WATER AND SOAP.

INHALATION:

REMOVE TO FRESH AIR. HAVE QUALIFIED PERSON RESTORE AND/OR SUPPORT BREATHING WITH OXYGEN, IF NEEDED. KEEP WARM.

INGESTION:

QUICKLY GIVE 3 OR MORE GLASSES OF MILK OR WATER TO DRINK.

NOTE TO PHYSICIAN:

NO SPECIFIC ANTIDOTE IS KNOWN. BASED ON THE INDIVIDUAL REACTIONS OF THE PATIENT, THE PHYSICIAN'S JUDGMENT SHOULD BE USED TO CONTROL SYMPTOMS AND CLINICAL CONDITIONS.

----C. HEALTH HAZARD DATA -----

THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA (SEE SECTION G).

THIS MATERIAL MEETS THE FOLLOWING HEALTH HAZARD DEFINITION(S) ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200):

- () HIGHLY TOXIC
- () CORROSIVE
- () TOXIC
- (X) IRRITANT
- () NON-HAZARDOUS
- () SENSITIZER

THE TOXICOLOGICAL PROPERTIES OF THIS MATERIAL HAVE NOT BEEN THOROUGHLY INVESTIGATED.

TARGET ORGAN TOXIN:

LUNGS, SKIN, EYES, KIDNEYS, BLOOD FORMING ORGANS AND CENTRAL NERVOUS SYSTEM.

ROUTE(S) OF EXPOSURE:

SKIN CONTACT; EYE CONTACT; INHALATION OF MIST OR VAPOR; ORAL INGESTION

SYMPTOMS AND HEALTH EFFECTS OF ACUTE OVEREXPOSURE: ACUTE OVEREXPOSURE MAY CAUSE NAUSEA, HEADACHE, DIAPHORESIS, HEMATURIA, VOMITING, CONVULSIONS, AND COMA.

VAPOR OR MIST CAUSES EYE IRRITATION (LACRIMATION).

CONTACT WITH SKIN MAY CAUSE IRRITATION OR BURNS IF NOT REMOVED PROMPTLY.

----D. HANDLING AND STORAGE PRECAUTIONS -----

AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID BREATHING VAPORS, MISTS OR SPRAY. DO NOT TAKE INTERNALLY. USE WITH ADEQUATE VENTILATION.

USE RESPIRATORY PROTECTION WHEN OVEREXPOSURE TO VAPORS, MISTS OR SPRAY IS POSSIBLE. WHEN HANDLING, WEAR CHEMICAL SPLASH GOGGLES, FACE SHIELD, HEAVY PVC OR BUTYL/VITON GLOVES AND PROTECTIVE CLOTHING.

KEEP CONTAINERS CLOSED.

STORE CONTAINERS IN COOL, WELL VENTILATED AREAS AWAY FROM IGNITION SOURCES.

AVOID USE OF ALUMINUM, COPPER AND BRASS ALLOYS IN CONTACT WITH THIS MATERIAL IN STORAGE AND PROCESS EQUIPMENT.

----E. PERSONAL PROTECTION INFORMATION -----

VENTILATION:

USE NATURAL OR FORCED VENTILATION TO CONTROL EXPOSURE TO BELOW RECOMMENDED LEVELS.

RESPIRATORY PROTECTION:

USE NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR EQUIPPED WITH ORGANIC VAPOR CARTRIDGE(S) WHEN CONCENTRATIONS EXCEED RECOMMENDED EXPOSURE LEVELS. IN CASE OF A SPILL OR LEAK RESULTING IN UNKNOWN CONCENTRATION, USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR.

EYE PROTECTION:

WEAR CHEMICAL SAFETY GOGGLES AND A FULL FACE SHIELD TO PROTECT AGAINST SPLASHING.

SKIN PROTECTION:

WEAR CHEMICAL RESISTANT GLOVES WHEN HANDLING THIS MATERIAL. HEAVY PVC IS RECOMMENDED. GLOVES MAY BE DECONTAMINATED BY WASHING WITH SOAP AND WATER.

OTHER PROTECTIVE CLOTHING AND EQUIPMENT:

IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICALLY RESISTANT FOOTWEAR SHOULD BE WORN TO MINIMIZE CONTACT.

----F. SPILL, LEAK AND DISPOSAL PROCEDURES -----

EVACUATE AREA.

SHUT OFF IGNITION SOURCES.

ONLY PROPERLY TRAINED PERSONNEL SHOULD RESPOND TO SPILLS OR LEAKS. WEAR PROTECTIVE EQUIPMENT AND/OR GARMENTS AS SPECIFIED IN SECTION E.

WHEN ENTRY MUST BE MADE INTO AN AREA WHERE THE CONCENTRATION IS UNKNOWN, USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS (SCBA) AND PROTECTIVE EQUIPMENT AS DESCRIBED IN SECTION E.

ABSORB SPILLED LIQUID ONTO INERT MATERIAL AND TRANSFER INTO DISPOSAL DRUMS.

LARGE SPILLS SHOULD BE REMOVED USING A VACUUM TRUCK.

WASH SPILL AREA WITH WATER AND FOAM (AFFF) AND ABSORB ONTO INERT MATERIAL AND TRANSFER INTO DISPOSAL DRUMS.

SPILLS ON AREAS OTHER THAN PAVEMENT, E.G., DIRT, SAND, ETC., MAY BE HANDLED BY REMOVING THE AFFECTED SOILS AND PLACING IN APPROVED CONTAINERS.

WASTE DISPOSAL:

THE MATERIALS RESULTING FROM CLEAN-UP OPERATIONS OF A SPILL MAY BE HAZARDOUS AND, THEREFORE, SUBJECT TO SPECIFIC REGULATIONS. PACKAGE, STORE, TRANSPORT AND DISPOSE OF ALL CLEAN-UP MATERIALS AND ANY CONTAMINATED EQUIPMENT IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. SHIPMENTS OF WASTE MATERIALS MAY BE SUBJECT TO MANIFESTING REQUIREMENTS PER APPLICABLE REGULATIONS. APPROPRIATE DISPOSAL WILL DEPEND ON THE NATURE OF THE WASTE AND SHOULD BE PERFORMED BY COMPETENT AND PROPERLY PERMITTED CONTRACTORS. ENSURE THAT ALL RESPONSIBLE FEDERAL, STATE AND LOCAL AGENCIES RECEIVE PROPER NOTIFICATION OF SPILL AND DISPOSAL METHODS.

SPILLS OR RELEASES SHOULD BE REPORTED, IF REQUIRED, TO THE APPROPRIATE LOCAL, STATE AND FEDERAL REGULATORY AGENCIES.

THIS MATERIAL HAS A REPORTABLE QUANTITY (RQ) OF 2,000 LBS (225 GALS) BASED ON NAPHTHALENE CONTENT.

MATERIAL REPORTABLE UNDER TITLE III, SECTION 313:

THE FOLLOWING SUBSTANCE(S) ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR 372. THE SUBSTANCES(S) MAY NOT BE REFLECTED IN SECTION C OR G OF THIS MSDS.

SUBSTANCE

CAS NO.

APPROX. WT. %

NAPHTHALENE

91-20-3

5-10

PRODUCT AND/OR COMPONENTS ENTERED ON EPA'S TSCA INVENTORY: YES

----G. CHEMICAL OR HAZARDOUS COMPONENTS -----

EXPOSURE GUIDELINES APPROX. OSHA ACGIH TLV COMPONENT CAS NO. MG/M3 WT. % PEL (PPM) ARYL & ALKYL DISULFIDES 68334-01-0 80-90 NOT ESTABLISHED NAPHTHALENE 91-20-3 5-10 10 (STEL 79) INDENE 95-13-6 1-3 10 PROPYL BENZENE 103-65-1 NOT ESTABLISHED NOT ESTABLISHED BUTYL BENZENE 104-51-8 1-2

----H. FIRE AND EXPLOSION DATA -----

FLASH POINT:

> 1400 F (>600 C)

EXPLOSIVE RANGE IN AIR; % BY VOL.

~ LOWER: NOT ESTABLISHED - UPPER: NOT ESTABLISHED

FIRE EXTINGUISH. MEDIA:

WATER FOG, AFFF (FOAM), DRY CHEMICAL, CO2

SPECIAL FIRE FIGHTING PROCEDURES:

EVACUATE AREA OF ALL UNNECESSARY PERSONNEL. STOP SOURCE OF FUEL, IF POSSIBLE. USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. USE WATER FOG OR SPRAY TO COOL EXPOSED EQUIPMENT. USE FOAM TO CONTROL SPILL FIRE.

FIRE AND EXPLOSION HAZARDS:

CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

-----I. REACTIVITY DATA -----

STABILITY: STABLE

CONDITIONS TO AVOID: STRONG OXIDIZERS

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZING AGENTS

HAZARDOUS POLYMERIZATION:

NOT KNOWN TO OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: SULFUR OXIDES (SOx), CARBON DIOXIDE AND CARBON MONOXIDE ARE FORMED WHEN MATERIAL BURNS

----J. PHYSICAL DATA -----

APPEARANCE:

BLACK LIQUID

ODOR:

PUNGENT

ODOR THRESHOLD:

< 1 PPM

PH:

NOT APPLICABLE

BOILING POINT:

248-527 DEG. F (120-275 DEG. C;

DECOMPOSES @ 220-250 DEG. C)

FREEZING POINT:

< 0 DEG. F (<-17.8 DEG. C)

REID VAPOR PRESSURE:

0-1.2 PSIA @ 100 DEG. F

SPECIFIC GRAVITY:

1.08 - 1.12 @ 60 DEG. F/60 DEG. F

VAPOR DENSITY (AIR=1):

NOT ESTABLISHED

SOLUBILITY IN WATER:

NIL

COEFFICIENT OF OCTANOL/

WATER SEPARATION:

NOT AVAILABLE

----K. ADDITIONAL COMMENTS -----

THIS MATERIAL IS FOR INDUSTRIAL USE ONLY.

THE INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSE OF ENABLING THOSE WHO TRANSPORT, HANDLE OR USE OUR PRODUCTS TO ENSURE THE SAFETY AND HEALTH OF THEIR EMPLOYEES AND TO COMPLY WITH VARIOUS LAWS AND REGULATIONS (FEDERAL, STATE AND LOCAL). THIS INFORMATION IS OFFERED IN GOOD FAITH AND IS BELIEVED TO BE ACCURATE. MERICHEM, HOWEVER, MAKES NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE HEREOF.

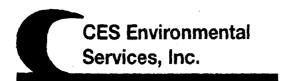
(DSO)

REVISED MSDS DATE: 09/93

Disclaimer: The information contained on this MSDS cannot be guaranteed to be accurate or complete. GATX Rail accepts no liability for the content of this MSDS, or for the consequences of any actions taken which rely on the accuracy of the information.

This document is not current as of 12/15/2006. Please review TAILS to make sure that the document is still valid.

7 1 109 8 45 34



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/30/2007

Dear Jamie French

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2033

Generator: National Oilwell (Roberds Johnson)

Address: 210 Magnolia

Galena Park, TX 77547

Waste Information

Name of Waste: TPH contaminated soil

TCEQ Waste Code #: CESQ3011

Container Type:

Detailed Description of Process Generating Waste:

Soil contaminated with oil

Color: brown

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

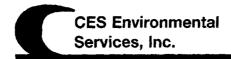
Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information			
Company:	National Oil Well			
Address:	210 Magnolia			
City, State, Zip:	Galena Park, TX 77	7547		
Contact:	Larry Pruitt		Title:	EH & S Manager
Phone No:	713-356-7200		Fax No:	713-356-7420
24/hr Phone:	CES-713-676-1460		•	
U.S. EPA I.D. No:	TXR000047399		•	
State I.D.	86932		SIC Code:	NA
		· · · · · · · · · · · · · · · · · · ·	•	
SECTION 2: Billing	Information – 🔲 Sa	me as Above		
	National Oil Well (Att			
, , ,	P.O. Box 472			
_	Galena Park, TX 7754	17		
• · · · · • —	Jamie French	Title:		
_	713-356-7216	Fax No:		
	710 000 1-1			
SECTION 3. Canar	al Description of the	Wasta		
SECTION 3. Other	al Description of the	vv aste		
Name of Waste: TPl	U Contaminated Soil			
		g Waste: Soil contaminate	d with oil	
Demined Description	Ul i locos Semerana.	<u> </u>	<u>u 1, 101 0</u>	
Physical State:	Liquid	☐ Sludge ☐	Powder	
1 Hysicai State.	<u></u>	Filter Cake	Combination	
	⊠ Solid	riller Cake	Combination	n .
~	0.	•		
Color: brown	U	lor: <u>none</u>		
Specific Gravity (wa	ter=1): <u>1.4</u>	Density: 11 lbs/gal		
Layers:	Single-phase	Multi-phase		
•				
Container Type:	□ Drum	☐ Tote ☐	Truck	Other (explain)
Container Size:	55 gal			La company
Container Size.	<u>55 gai</u>	· · · · · · · · · · · · · · · · · · ·		
Frequency:		☐ Monthly ☐	Quarterly	
Number of Units (co		Other:	- ·	•
Texas State Waste C	· -	Q3011		
Texas State waste	ode No:	`		
Proper U.S. DOT Sh	ipping Name:	Non RCRA; Non-DO	Γ Regulated Ma	nterial
Class: NA	UN/NA	: NA	PG: NA	RQ: NA
Class. INA	OMITA			
Flash Point	pH I	Reactive Sulfides	Reactive C	yanides Solids
>140		Omg/l	Omg/l	100%
Oil&Grease	TOC		Copper	Nickel
>1500mg/l	>1500mg/I		Omg/I	Omg/l

JAN-29-2007 16:35 CES Environmental Service

713 676 1676

P.03

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Soil, dirt and rocks with grass	98-100	%
Hydrocarbons as oil and grease	0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analysis of oily sludge (contaminant)

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	X
Corrosivity:	X
Igaitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Printed Name/Title: HSE	Date: 1-30-07
CES USE ONLY (DO NOT)WRITE IN THIS SPACE) Compliance Officer: John Manga Date: 1-30-07 Approved Rejected Approval Number: 2033	Additional Information: 15 4 55 10 run

5	SECTION 10: Waste Receipt Classification Under 40 CFR 4	137	
I	s this material a wastewater or wastewater sludge? YES	⊠ NO	
I	f 'Yes', complete this section.		
F	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGO	RY, GO TO THE NEXT PAGE.
<u>Me</u>	tals Subcategory: Subpart A		
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals		
	Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equip		nating operations
<u>Oils</u>	s Subcategory: Subpart B		
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes		
<i>718</i>			
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol	urces	
	Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean out from organic paperateleum sources		

(1)	II the	waste contains off and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exces values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

JUN 3 0 2006

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460

7136761676

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

6060535

Client Sample ID:

Sump Sludge

Extended ID:

National Oilwell - Magnolia Rd

Sample Collect Date: 6/22/2006 @ 11:00:00 AM

Sample Type:

Grab

Sample Receipt Date: 6/22/2006 @ 12:00:00 PM

Test Group / Method

TCLP Metals (8)					Analyst: CKIME
Method: SW-846 6010B	MDL	RL	Result	Units	Date / Time
Arsenic	0.014	5	< 0.014	mg/L	6/27/2006 / 10:11 PM
Barium	0.0005	100	0.695	mg/L	6/27/2006 / 10:11 PM
Cadmium	0.002	1	< 0.002	mg/L	6/27/2006 / 10:11 PM
Chromium	0.002	5	< 0.002	mg/L	6/27/2006 / 10:11 PM
Lead	0.005	5	< 0.005	mg/L	6/27/2006 / 10:11 PM
Selenium	0.024	1	0.033	mg/L	6/27/2006 / 10:11 PM
Silver	0.002	5	< 0.002	mg/L	6/27/2006 / 10:11 PM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: CKIME Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	6/27/2006 / 7:32 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Wednesday, June 28, 2006

Date

Page 1 of 1 Report Date: 28-Jun-06

6060535

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L				SD REC RPI)	CCB mg/L		CCV %REC	LOW CHECK STD	.
Mercury	< 0.0002		101.0	97.	.5 3.53	3	< 0.000	2	102.0	100.0	
EPA METHOD	lcs	lcsd		Γ		Ī					
200.7	% rec	% rec	% rsd		MB		CCB	CCV	ms rec	msd rec	ms rpd
Arsenic	94	94	0.7	{<	0.002	<	0.002	91	76.5	77.3	1.04
Barium	105.1	105	0.43	1	0.0002	<	0.0002	101	65.2	67.7	3.8
Cadmium	109.5	110.9	1.32	<	0.001	<	0.001	107	70.9	72.0	1.5
Chromium	109	107	2.50	<	0.001	<	0.001	103	70.0	72.2	3.0
Lead	106.1	109.2	2.90	<	0.002	<	0.002	107	67.7	71.9	6.1
Selenium	108.1	91.4	16.7	<	0.024	<	0.024	87	64.9	61.8	5.0
Silver	110	109	0.91	<	0.001	7	0.001	104	73.4	75.6	3.06

Key to QA Abbreviations

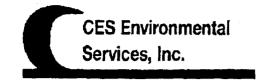
MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: Holland D. Gilmore / Laboratory Director

June 28, 2006

COMPANY NAME: (BILL TO:)	FERU	wan	م من من الم	TE/		M	ES)	- (HAII	N OF	cus	TODY	1-800-771-4MES (281) 476-4534
COMPANY ADDRESS:				·			ury E lwy. 225		onm er Par	enta k, TX	l Sei 77536	vice	S	Fax (281)-476-4406
CITY	·	TE	ZIP C&- ~=	<u> </u>			ARAME						<i>T</i>	5 REMARKS
CONTACT PERSON'S PHONE:		FAX #:				To the							TAINERS	FUNNARQUND TIME
YOUR PROJECT NO.: YOUR P.O. A PROJECT ADDRESS;		YOUR PRI 14 TISU4	OJECT NAME:	•								NUMBER OF COM	PRESERVATIONS	DETECTION LIMITS SPECIAL LIMITS REQUIRED Yes No
Met oil well- Magnet Your SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX	1/7			1	/			NUMBE	PRESE	Please circle one, if Yes, please describe below
Sump Studge	6	6-226										(Kese	or include separate sheet detailing requirements.
							ļ							
					ļ		<u> </u>				 			
							<u> </u>							1
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3							<u> </u>							
					 		-				ļ 			·
						ļ	-		· · ·		<u> </u>		<u> </u>	
					-		-							
						ļ	-							
PERSON TAKING SAMPLE SIGNATURE (a Print Nam	<u> </u>			REUN (Signat	IQUISHED	BY:				DAT		TIME	1757	CEIVED BY:
· / Jong / 2 ()	ATE TIME	RECEIVED (Signature)	BY:	/	IQUISHED		1/2	tur		DAT	'	12°C	RE	CEIVED BY:
METHOD OF PAYMENT SH	HIPPED BY:		COUF	RIER ture)				REC	EIVED F	OR MES	BY:	F	7/1/	DATE TIME
Sample Remainder Disposal				DIR	lequest L	ab To I	Dispose	Of All Sa	mple R	emaind	ers	A	<u>, uu</u>	
☐ Return Sample Remainder To Client Via				(Signs	ature)							(1	Date)	





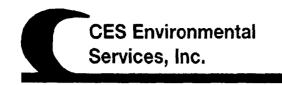
CES Waste Approval #: HOU-2033

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

Customer:	NOV (Magnolia)	Galena Park
Waste Generator:	NOV (Magnolia)	
Waste Stream Name:	TPH contaminate	ed soil
Expiration Date:	1/30/2009	
profiles on an annual basis. generation process of the afe hazardous as per 40 CFR 26 Generator hereby certifies the	The purpose of this for orementioned waste structured waste structured the components in the same as when issued to	Services, Inc. requires recertification of all approved waste rm is to confirm that no changes have been made in the ream and that the waste stream remains classified as non-the aforementioned waste stream and the process generating the aforementioned CES Waste Approval Number: (Check
M No changes, please recer	tify.	☐ Analysis is NOT required for recertification.
Please send new profile a has changed.	is waste stream	The following analysis is required for recertification. Please sumbit results of the following tests.
National O: Well Vava Customer Name Signature National Oilwell Vava Company / Title 12-16-08		☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability
Date		

Memorine Meter Stn (Webster)
Rof # 2000



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/8/2007

Dear Scott Goulas

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2000

Generator: Enterprise Meter Station-Webster

Address: 2 miles north of Clear Lake City Blvd on Hwy 3

Webster, TX NA

Waste Information

Name of Waste: Pipeline drying swabs TCEQ Waste Code #: CESQ4092

Container Type:

Roll-off box

Detailed Description of Process Generating Waste:

Foam swabs are used to dry cleaned natural gas pipelines. Line cleaned with detergents a flushed, swabs are pushed behind to dry line for service.

Color: light brown to off-whit Odor: none

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

#2000

SECTION 1: Gener	ratar Information				
Company:	Enterprise Product	ts Operating- Meter Stat	ion (Webster)		
Address:		lear Lake City Blvd on			
City, State, Zip:	Webster, TX	2010 011, 211 011			
Contact:	Mike Zeringue (N	SPEC)	Title:	Manager	
Phone No:	337-344-8384		Fax No:		
24/hr Phone:	CES-713-676-146	0			
U.S. EPA I.D. No: T		***		4	
State I.D.	CESQG		SIC Code:	NA	
SECTION 2: Billing	Information – 🗍 S	Same as Above			
		ompany-NSPEC Pipelin	e Services		
• • • —	P.O. Box 820				
	Abbeville, LA 7051	1-0820			
	Mike Zeringue	Title:	Manager		
-	337-272-0202	Fax N			
	eline drying swabs of Process Generat	ing Waste: Foam swab		ned natural gas	pipelines, Line cleaned with
detergents and flushed	<u>l, swabs are pushed b</u>	ehind to dry line for ser	vice.		
Physical State:	☐ Liquid ☑ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combination	1	
Color: <u>Light brown to</u> Specific Gravity (wa		Odor: <u>none</u> V Density: <u>2</u> lbs/gal			
Layers:	Single-phase ■	☐ Multi-pha	se		
Container Type: Container Size:	☐ Drum	Tote	Truck		ther (explain) oll-off box
Engarionari	□ Woolds	Monthly	Ougatoria:	X Ye	oo wla
Frequency:	☐ Weekly	☐ Monthly	Quarterly		early
Number of Units (cor	· 	Other:			
Texas State Waste Co	ode No: CE	SQ4092			
Proper U.S. DOT Shi	pping Name:	Non-RCRA; Noi	n-DOT Regulated Ma		
Class: NA	UN/N	A: NA	PG: NA		RQ: NA
					
Flash Point	pН	Reactive Sulfides	Reactive Cy	anides	Solids
<u> </u>	neutral	<u>0</u> mg/l	<u>O</u> mg/l		<u>100</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel	
<1 <u>500</u> mg/l	<1500mg/l	<u>0</u> mg/l	<u>0</u> mg/l	<u>O</u> mg/l	

SECTION 4: Physical and Chemical Data

ODMPONENCE VARIO	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Foam Swabs with surface rust	99-100	%
Plastic	0-1	%
Plastic gaskets	0-1	%
		T

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level $\mathbf D$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

Analytical data derived from the testing of the flush water. Also includes analytical data of the flush water from the Webster location.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	X
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	X
Corrosivity:	<u>X</u>
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Roger a Supra	ENVIRONMENTAL LEAD
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Reflected Approved Number: 2000	Additional Information:

<u>S</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
İs	this material a wastewater or wastewater sludge? YES NO
lf	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Met	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chror Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, cabove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Webster



This PDF File was created for you as a service of Severn Trent Laboratories

PRELIMINARY REPORT

STL - Houston 6310 Rothway Street Houston, TX. 77040 (713) 690-4444

ANALYTICAL REPORT

JOB NUMBER: 326251 Project ID: RUSH BENZENE AND OIL AND

Prepared For:

Coastal Chemical Co., LLC PO BOX 81577 Lafayette, LA 70508

Attention: Tyson Dupuis

Date: 11/29/2006

Signature

Name: Sean V. Sundquist

Title: Project Manager III

E-Mail: ssundquist@stl-inc.com

Date

Severn Trent Laboratories 6310 Rothway Drive

Houston, TX 77040

PHONE: 713-690-4444

SAMPLE INFORMATION Date: 11/29/2006

Job Number.: 326251

Customer...: Coastal Chemical Co., LLC Attn.....: Tyson Dupuis

Project Number.....: 99005944 Customer Project ID...: RUSH BENZENE AND OIL AND Project Description...: Rush Benzene and Oil and Grease

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
326251-1	#1 FLUSH RUN	Water	11/26/2006	10:45	11/27/2006	09:45
326251-2	TRIP BLANK	Trip Blank	11/26/2006	00:00	11/27/2006	09:45
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Page 1

LABORATÒRY TEST RESULTS

Job Number: 326251

Date: 11/29/2006

CUSTOMER: Coastal Chemical Co., LLC

PROJECT: RUSH BENZENE AND OIL

ATTN: Tyson Dupuis

Customer Sample ID: #1 FLUSH RUN
Date Sampled.....: 11/26/2006
Time Sampled.....: 10:45
Sample Matrix....: Water

Laboratory Sample ID: 326251-1 Date Received.....: 11/27/2006 Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TEC
EPA 1664A	Oil and Grease, Water	15	1	5.9	mg/L	11/28/06	kly
W-846 8021B	GC Volatile Organics Benzene, Water	ND	0		ug/L	11/29/06	mbi
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^{*} In Description = Dry Wgt.

Page 2

QUALITY CONTROL RESULTS

Job Number.: 326251

Report Date.: 11/29/2006

CUSTOMER: Coastal Chemical Co., LLC

PROJECT: RUSH BENZENE AND OIL AND

ATTN: Tyson Dupuis

Test Method.....: EPA 1664A
Method Description: Oil and Grease (Grav.) or TPH (Grav.)
Parameter.....: Oil and Grease

Units..... mg/L Batch(s)...: 167039

Analyst...: klv Test Code.: OILGRE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F Date	Time
LCS	167039-1 167039-1 167039-1	EX112006HE EX112006HE	0.0 35.7 35.4	35.7	40.000000 40.000000	0.0	89.2 88.5	78-114 78-114	11/28/2006 11/28/2006 11/28/2006	0930

	Job Number.: 326251	QUALITY	CONTRO	L R	ESULT	' S	Report	Date.: 11/2	9/2006	
CUSTOMER:	Coastal Chemical Co., LLC	PROJE	CT: RUSH BENZE	NE AND	OIL AND		ATTN:	Tyson Dupuis		
QC Type	Description		Reag. Code Lab ID			ID	Dilut	ion Factor	Date	Time
	d: SW-846 8021B cription: GC Volatile Organic	cs	Units Batch(s		: ug 167080	/L		Analys	t: mht	
LCS	Laboratory Control Sample		BXS112406A		167080-1				11/29/2006	0738
Para	ameter/Test Description	QC Result	QC Result	True	· Value	Orig.	Value	Calc. Resul	t * Limit	s F
Benzene, Water Toluene, Water Ethylbenzene, Water Ethylbenzene, Water Ethylene, Water Ethyl Meter Ethyl Meter Ethyl Meter Ethyl Meter Ethylene Column Toluene Column Ethylbenzene	er, Water Water Water al), Water Water Sthyl Ether Column B, Water mn B, Water column B, Water Column B, Water	52.1607 48.3948 48.9644 51.3092 101.346 49.9600 151.3060 300.4358 46.2094 47.6665 46.9387 51.7706 97.8519 49.7259		1 3	50.000000 50.000000 50.000000 50.000000 50.000000 50.000000 50.000000 50.000000 50.000000 50.000000 50.000000			104.3 96.8 97.9 102.6 101.3 99.9 100.9 100.1 92.4 95.3 93.9 103.5 97.9 99.5	76-1 76-1 76-1 75-1 75-1 74-1 70-1 76-1 76-1 75-1 75-1	34 31 31 30 29 30 30 23 34 31 31
МВ	Method Blank				167080-1				11/29/2006	0757
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Benzene, Wate Toluene, Wate Ethylbenzene, wate wow.ylene, Wate Xylenes (total BTEX, W Tert-Butyl Memorate Column Toluene Column Ethylbenzene	er Water Water Water Ler Ler Ll), Water Water Water Water The B, Water The B, Water Column B, Water Column B, Water Column B, Water Lumn B, Water	ND ND ND ND ND ND ND ND ND ND ND ND ND N								
SB	Spiked Blank		BXS112406B	T	167080-1				11/29/2006	0948
Para	meter/Test Description	QC Result	QC Result	True	Value	Orig.	Value	Calc. Resul	t * Limit	s F
Methyl tert-Butyl ether, Water Benzene, Water Foluene, Water Sthylbenzene, Water m,p-Xylene, Water o-Xylene, Water Kylenes (total), Water Fotal BTEX, Water Fert-Butyl Methyl Ether Column B, Water Benzene Column B, Water		52.2770 49.8593 50.2547 51.9866 104.237 51.2282 155.4652 308.4586 46.6149 49.3539		1 1 3	50.000000 50.000000 50.000000 50.000000 50.000000 50.000000 50.000000 50.000000 50.000000 50.000000	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ID ID ID ID ID 0.0000 0.0000 ID	104.6 99.7 100.5 104.0 104.2 102.5 103.6 102.8 93.2 98.7	70.0-1 70.0-1 70.0-1 70.0-1 70.0-1 70.0-1 70.0-1 70.0-1 70.0-1	30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0

Page 4 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

	Job Number.: 326251	QUALITY	CONTRO	L RESULT	-	Date.: 11/2	9/2006		
CUSTOMER:	Coastal Chemical Co., LLC	PROJ	ECT: RUSH BENZE	NE AND OIL AND	ATTN:				
QC Type	Description		Reag. Cod	e Lab	ID Dilut	ion Factor	Date Time		
SB	Spiked Blank		BXS112406B	167080-1			11/29/2006 0948		
Par	ameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Resul	t * Limits F		
	Column B, Water olumn B, Water	48.4526 52.8794 99.7763 50.3948		50.000000 50.000000 100.000000 50.000000	ND ND	96.9 105.8 99.8 100.8	70.0-130.0 70.0-130.0 70.0-130.0 70.0-130.0		
SBD	Spiked Blank Duplicate		BXS112406B	167080-1			11/29/2006 1008		
Para	ameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Resul	t * Limits F		
Methyl tert-	Butyl ether, Water	49.4706	52.2770	50.000000	ND	98.9 5.5	70-130 20		
Benzene, Wate	er	47.3468	49.8593	50.000000	ND	94.7 5.2	70-130 20		
Toluene, Wate	er	47.7161	50.2547	50.000000	ND	95.4	70-130		
Ethylbenzene,	, Water	49.6259	51.9866	50.000000	ND	5.2 99.3	20 70-130		
m,p-Xylene, W	Water	99.1743	104.237	100.000000	ND	4.6 99.2	20 70 -1 30		
o-Xylene, Wat	cer	49.0278	51.2282	50.000000	ND	5.0 98.1	20 70–130		
Xylenes (tota	al), Water	148.2021	155.4652	150.000000	0.0000	4.4 98.8	20 70-130		
Total BTEX, W	Vater	294.1011	308.4586	300.000000	0.0000	4.8 98.0	20 70-130		
Tert-Butvl Me	ethyl Ether Column B, Water	45.7289	46.6149	50.000000	ND	4.8 91.5	20 70-130		
Benzene Colum	-	46.8473	49,3539	50.000000		1.9 93.7	20 70–130		
	•	46.1916	48.4526	50.000000		5.2 92.4	20 70-130		
Toluene Colum	·				•	4.8	20		
•	Column B, Water	50.8361	52.8794	50.000000		101.7 3.9	70-130 20		
m,p-Xylene Co	olumn B, Water	95.1581	99.7763	100.000000	ND	95.2 4.7	70-130 20		
o-Xylene Colu	mm B, Water	48.3386	50.3948	50.000000	ND	96.7 4. 2	70-130 20		

Page 5 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SURROGATE RECOVERIES REPORT Report Date.: 11/29/2006 Job Number.: 326251 CUSTOMER: Coastal Chemical Co., LLC PROJECT: RUSH BENZENE AND OIL AND ATTN: Tyson Dupuis Method.....: GC Volatile Organics Batch(s)....: 167080 Prep Batch...: Method Code...: 8021 Equipment Code: BTEX06 Test Matrix...: Water Lab ID ATFTB BFB BFBB DT Sample ID Date ATFT 11/29/2006 11/29/2006 11/29/2006 11/29/2006 11/29/2006 167080- 1 LCS 167080- 1 MB 167080- 1 SB 167080- 1 SBD 326251- 1 89.4 86.3 90.7 94.1 92.4 87.0 94.7 94.2 94.8 95.3 87.0 89.2 95.9 94.2 96.7 89.1 90.2 90.9 95.9 92.8 #1 FLUSH RUN Test Description Limits Test 70 - 135 70 - 135 64 - 136 64 - 136 ATFT a,a,a-Trifluorotoluene a,a,a-Trifluorotoluene Column B ATFTB BFB (Surrogate) BFB

BFB (Surrogate) Column B

BFBB

OUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/29/2006

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 3) According to 40CFR Part 136.3, pH, Chlorine Residual, and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field, (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.
- 4) For all USACE projects, the QC limits are based on "mean +/- 2 sigma", which are the warning limits.

General Information:

- Cresylic Acid is the combination of o,m and p-Cresol. The combination is reported as the final result.
- m-Cresol and p-Cresol co-elute. The result of the two is reported as either m&p-cresol or as p-cresol.
- m-Xylene and p-Xylene co-elute. The result of the two is reported as m,p-Xylene.
- N-Nitrosodiphenylamine decomposes in the gas chromatograph inlet forming dipheylamine and, consequently, may be detected as diphenylamine.
- Methylene Chloride and Acetone are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- Trimethysilyl (Diazomethane) is used to esterify acid herbicides in Method SW-846 8151A.
- For Inorganic analyses, duplicate QC limits are determined as follows: If the sample result is less than or equal to 5 times the reporting limit, the RPD limit is equal to the reporting limit. If the sample result is greater than 5 times the reporting limit, the RPD limit is the method defined RPD.
- For TRRP reports, the header on the column RL is equivalent to a MQL/FQL.

Explanation of Qualifiers:

- U This qualifier indicates that the analyte was analyzed but not detected.
- J (Organics only) This qualifier indicates that the analyte is an estimated value between the RL and the MDL.
- B (Inorganics only) This Qualifier indicates that the analyte is an estimated value between the RL and the MDL.
- N (Organics only) This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic charachterization of a TIC, such as "chlorinated hydrocarbon", the "N" flag is not used.

Explanation of General QC Outliers:

- A Matrix interference present in sample.
- a MS/MSD analyses yielded comparable poor recoveries, indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
- b Target analyte was found in the method blank.
- M QC sample analysis yielded recoveries outside QC acceptance criteria. This sample was reanalyzed.
- L ICS analysis yielded high recoveries, indicating a potential high bias. No target analytes were observed above the RL in the associated samples.
- G Marginal outlier within 1% of acceptance criteria.
- r RPD value is outside method acceptance criteria.
- C Poor RPD values observed due to the non-homogenous nature of the sample.
- O Sample required dilution due to matrix interference.
- D Sample reported from a dilution.
- d Spike and/or surrogate diluted.
- P The recovery of this analyte is outside default QC limits. The data is accepted and will be used to calculate in-house statistical limits.
- E The reported concentration exceeds the instrument calibration.
- F The analyte is outside QC limits. The sample data is accepted since this analyte is not reported in associated samples.
- H Continuing Calibration Verification (CCV) standard is not associated with the samples reported.

OUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/29/2006

q - See the subcontract final report for qualifier explanation.

- W The MS/MSD recoveries are outside QC acceptance criteria because the amount spiked is much less than the amount found in the sample.
- K High recovery will not affect the quality of reported results.
- Z See case narrative.

Explanation of Organic QC Outliers:

- e Method blank analysis yielded phthalate concentrations above the RL. Phthlates are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- S Sample reanalyzed/reextracted due to poor surrogate recovery. Reanalysis confirmed original analysis indicating a possible matrix interference.

T - Sample analysis yielded poor surrogate recovery.

- R The RPD between the two GC columns is greater than 40% and no anomalies are present. The higher result is reported as per EPA Method 8000B.
- I The RPD between the two GC columns is greater than 40% and anomalies are present. The lower of the two results has been reported.

X - Gaseous compound. In-house QC limits are advisory.

- Y Ketone compounds have poor purge efficiency. In-house QC limits are advisory.
- f Surrogate not associated with reported analytes.

Explanation of Inorganic QC Outliers:

- Q Method blank analysis yielded target analytes above the RL. Associated sample results are greater than 10 times the concentrations observed in the method blank.
- V The RPD control limit for sample results less than 5 times the RL is +/- the RL value. Sample and duplicate results are within method acceptance criteria.

e - Serial dilution failed due to matrix interference.

- g Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficent for the MSA is greater than or equal to 0.995.
- s BOD/cBOD seed value is not within method acceptance criteria. Due to the nature of the test method, the sample cannot be reanalyzed.
- 1 BOD/CBOD LCS value is not within method acceptance criteria. Due to the nature of the test method, sample cannot be reanalyzed.

N - Spiked sample recovery is not within control limits.

- n Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is less than 0.995.
- * Duplicate analysis is not within control limits.

Abbreviations:

- Designation given to identify a specific extraction, digestion, preparation, or analysis set.

- Continuing Calibration Verification

- Low level standard check - GFAA, Mercury CRA

- Low level standard check - ICP

Dil Fac - Dilution Factor - Secondary dilution analysis

DLFac - Detection Limit Factor

- Duplicate

- Extraction Blank (TCLP, SPLP, etc.)

- Initial Calibration ICAL

- Initial Calibration Blank ICB - Initial Calibration Verification ICV

- Interference Check Sample A - ICP - Interference Check Sample B - ICP ISB

LCD - Laboratory Control Duplicate

- Laboratory Control Sample

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/29/2006

MΒ - Method Blank MD - Method Duplicate MDL - Method Detection Limit MQL - Method Quantitation Limit (TRRP) MS - Matrix Spike MSD - Matrix Spike Duplicate ND - Not Detected - Preparation Blank PΒ PREPF - Preparation Factor RL- Reporting Limit RPD - Relative Percent Difference RRF - Relative Response Factor RT- Retention Time

SQL - Sample Quantitation Limit (TRRP) TIC - Tentatively Identified Compound

Method References:

- EPA 600/4-79-020 Methods for the Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-94-111 Methods for the Determination of MEtals in Environmental Samples, Supplement I, May 1994.
- EPA SW846 Test Methods for Evaluating Solid Waste, Third Edition, September 1986; Update I July 1992; Update II, September 1994, Update IIA August 1993; Update IIB, January 1995; Update III, December 1996, Update IVA January 1998, Update IVB November 2000.
- Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989), 18th Edition (1992), 19th Edition (1995), 20th Edition (1998).
- HACH Water Analysis Handbook 3rd Edition (1997).
- Federal Register, July 1, 1990 (40 CFR Part 136 Appendix A).
- Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd Edition, January 1997.
- (9) Diagnosis and Improvement of Saline and Alkali Soils, Agriculture Handbook No. 60, United States Department of Agriculture, 1954.

1 1 1	Job	LABORA	TORY	СН	RONI	CLE	Date: 11/29	/2006			
-	CUSTOMER: Coastal	Chemical Co., LLC		PROJECT:	RUSH I	BENZENE A	ND OIL	ATTN:	Tyson Dup	iis	
1111	Lab ID: 326251-1 METHOD SW-846 8021B EPA 1664A	Client ID: #1 FLUSH DESCRIPTION GC Volatile Organics Oil and Grease (Grav.)					'27/2006 PREP BT	11	TE/TIME AN /29/2006		DILUTION 5.0000 1.18

LABORATORY TEST RESULTS

Job Number: 327461 Date: 12/20/2006

CUSTOMER: Coastal Chemical Co., LLC

PROJECT: RUSH BENZENE AND OIL

ATTN: Mike Zeringue

Customer Sample ID: #3 DISCHARGE WATER

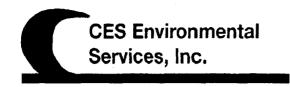
Date Sampled....: 12/17/2006
Time Sampled....: 18:00
Sample Matrix...: Water

Laboratory Sample ID: 327461-1
Date Received....: 12/19/2006
Time Received....: 08:39

·							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 1664A	Oil and Grease, Water	ND		5.5	mg/L	12/19/06	klv
EPA 120.1	Resistivity, Water	2.3380		1.0000	* umhos/cm	12/19/06	sur
EPA 120.1	Specific Conductivity @ 25 degrees C, Water	429		1.0	* umhos/cm	12/19/06	sur
EPA 160.2	Solids, Total Suspended (TSS), Water	22.0		10	mg/L	12/19/06	enc
HACH 8000	Chemical Oxygen Demand (COD), Water	494 	 	20.0	mg/L	12/19/06	bct
 SW-846 8021B 	GC Volatile Organics Benzene, Water	I I I ND	 	1.00	ug/L	 12/19/06 	cad
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^{*} In Description = Dry Wgt.

3001 Enterprise Meter Stn (webster)
Anof # 2001



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/8/2007

Dear NSPEC-Mike Zeringue

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2001

Generator: Enterprise Meter Station-Webster

Address: 2 miles north of Clear Lake City Blvd on Hwy 3

Webster, TX NA

Waste Information

Name of Waste: Pipeline cleaning sludge

TCEQ Waste Code #: CESQ4891

Container Type:

Detailed Description of Process Generating Waste:

Collection of pipe scale from line cleaning of natural gas pipeline

Color: grey/black

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

#2001

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900 SECTION 1: Generator Information Enterprise Products Operating- Meter Station (Webster) Company: 2 miles north of Clear Lake City Blvd on Hwy 3 Address: City, State, Zip: Webster, TX Mike Zeringue (NSPEC) Title:\ Manager Contact: 337-344-8384 Phone No: Fax No: CES-713-676-1460 24/hr Phone: U.S. EPA I.D. No: 77 CESQG CESOG SIC Code: State I.D. SECTION 2: Billing Information – Same as Above Coastal Chemical Company-NSPEC Pipeline Services Company: P.O. Box 820 Address: City, State, Zip: Abbeville, LA 70511-0820 Mike Zeringue Title: Manager Contact: 337-272-0202 Fax No: Phone No: **SECTION 3:** General Description of the Waste Name of Waste: Pipeline Cleaning Sludge Detailed Description of Process Generating Waste: Collection of pipe scale from line cleaning of natural gas pipeline **⊠** Sludge Powder Liquid **Physical State:** ☐ Solid Filter Cake ☐ Combination Color: Grey/black Odor: oil like Density: 10 lbs/gal Specific Gravity (water=1): 1.2 Multi-phase ☐ Single-phase Layers: Tote Truck Other (explain) Drum **Container Type: Container Size:** 55 gal Monthly Quarterly Yearly Frequency: Weekly Number of Units (containers): 1 Other: CESQ4891 Texas State Waste Code No: Non-RCRA; Non-DOT Regulated Material Proper U.S. DOT Shipping Name: PG: NA RQ: UN/NA: NA NA Class: Reactive Sulfides Reactive Cyanides Solids Flash Point Нq 40% 0mg/l>140 neutral Omg/I Oil&Grease TOC Zine Copper Nickel

1

0mg/l

0mg/i

>1500mg/l

> 1500 mg/l

0 mg/l

Date: 01-05-2007

SECTION 4: Physical and Chemical Data

3

(更多)公司(1)(1)(1)(1)(1)(1)	Concessisation	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Rust Scale/Dirt	50-80	%	
Water/soap	10-30	%	
Condensate Oil	1-5	%	
Trash as drink containers, ppe, rags	1-5	%	
		1	
		1	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level ${\bf D}$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	
TCLP Volatiles:	BTEX
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	
Ignitability:	<u>X</u>

Authorized Signature:

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Printed Name/Title: ROGER A. THOMPSON -	ENVIRONMENTAL LEAD
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Zobban Chylin	Additional Information:
Date: 1-5-07 Approved Rejected	OSL
Approval Number: 200	

<u>SI</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
Pl	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Meta	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	unics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank along out from organic non petroleum sources

(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO105001538

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PAGE

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d	COMPANY ADD	DRESS:							<u>Д</u>	Mercu 913 Hv	ry E	nuin 5 • De	onme er Parl	enta k, TX	l Ser 77536	vice:	S	Fax (281)-476-4406
	CONTACT PER	son's name: son's phone: _	Gary 13 7/0-41	7-005,	FAX #: _	ZIP			4	W	RAME	TERS F	OR AN	ALYSI	s /	7	Set /	5 REMARKS TURNAROUND TIME
2													NUMBER OF COUR	PRESERVATIONS	OETECTION LIMITS SPECIAL LIMITS REQUIRED YOU NO			
-	YOUR	SAMPLE DESCRIP	TION	GRAB/COMP.	DATE	TIME	- I MA	TRIX	V	8/2/	/ 🔨	/ /	/ /		/	N CW		Please circle one, il Yes, please describe below
		Cleaning			12-21	1:70		ide		V						l		or include separate sheel detailing requirements.
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6	PERSON TAKING	SAMPLE SIGNATUR	E (a Print Name	& b Sign.):	n			(Bignal	/)ez	~ <i>l</i>	Sn	·w		/2	re 1-21-4	TIME	THE CONTRACT OF THE CONTRACT O	GEIVED BY
7	RELINQUISHED B	Y	DATE	TIME	RECEIVED (Signature)	BY:		RELIA	ntel CALE	JAV:				DA	TE	TIME	RE (Si	CENTED BY:
1	METHOD OF PAY	MENT	SHIP (Signa	PEO BY: nure)			COURIER (Signature)				 , 	REG	CEIVED F	TX XX	SEV			TIME
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7	⊂ ⊔ Return Sampi	e Remainder To Cli	ient Via					(Signa	fure)		<	//					Derie) 🚣	

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park. TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460

7136761676

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

6120496

Client Sample ID:

Tank Cleaning Sludge

Extended ID:

NSPEC - Webster

Sample Collect Date: 12/21/2006 @ 1:30:00 PM

Sample Receipt Date: 12/21/2006 @ 3:00:00 PM

Sample Type:

Grab

Test Group / Method

TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: TFR Date / Time
Arsenic	0.014	5	0.025	mg/L	12/29/2006 / 12:20 AM
Barium	0.0005	100	0.0628		12/29/2006 / 12:20 AM
		1	0.0026	mg/L	
Cadmium	0.002	•		mg/L	12/29/2006 / 12:20 AM
Chromium	0.002	5	0.012	mg/L	12/29/2006 / 12:20 AM
Lead	0.005	5	0.013	mg/L	12/29/2006 / 12:20 AM
Selenium	0.024	1	< 0.024	mg/L	12/29/2006 / 12:20 AM
Silver	0.002	5	0.004	mg/L	12/29/2006 / 12:20 AM
TCLP Mercury					Analyst: TRAHM
Method: SW-846 7470A	MDL	RL	Result	Units	Date / Time
Mercury	0,0002	0.2	0.0016	mg/L	12/27/2006 / 10:24 PM
BTEX					Analyst: HDG
Method: SW-846 8021B	MDL		Result	Units	Date / Time
Benzene	0.5		< 0.5	mg/kg	12/26/2006 / 4:24 PM
Toluene	0.5		1.1	mg/kg	12/26/2006 / 4:24 PM
Ethyl benzene	0.5		< 0.5	mg/kg	12/26/2006 / 4:24 PM
M+P-Xylene	0.5		0.7	mg/kg	12/26/2006 / 4:24 PM
o-Xylerie	0.5		< 0.5	mg/kg	12/26/2006 / 4:24 PM
Ignitability Method: SW-846 1010	MDL		Result	Units	Analyst: DB Date / Time
Flashpoint			>150	deg F	12/26/2006 / 10:45 AM

Report Date: 02-Jan-07

Page 1 of 2

- CERTIFICATE OF RESULTS -

MES Lab#:

6120496

-2814764406

Client Sample ID:

Tank Cleaning Sludge

Extended ID:

NSPEC - Webster

Sample Collect Date: 12/21/2006 @ 1:30:00 PM

Sample Type:

Grab

Sample Receipt Date: 12/21/2006 @ 3:00:00 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Tuesday, January 02, 2007

Date

-2814764406

6120496

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L		CCV %REC	MS %REC	MSD %REC	RPD
Arsenic Barium Cadmium Chromium	< 0.002 < 0.002 < 0.001 < 0.001	94 105.0 109.4 109	94 105 110.9 107	0.7 0.43 1.32 2.50	< 0.000 < 0.000 < 0.000 < 0.000	2 1 1	91 101 107 103	76.4 65.2 70.9 70.0	77.2 67.7 72.0 72.2	1.04 3.8 1.5 3.0
Lead Mercury Selenium Silver	< 0.002 < 0.0002 < 0.024 < 0.001	106.1 101.0 108.1 110	109.2 97.5 91.4 109	2.90 3.53 16.7 0.91	< 0.00% < 0.00% < 0.024 < 0.000	02 4	107 102.0 87 104	67.7 64.9 73.4	71.9 61.8 75.6	6.1 5.0 3.06
ANALYTES	METHOD 8021B	MB mg/L		MS %REC	MSD %REC	RPD		STD %REC		
Benzene Toluene Ethylbenzene m+p Xylene o-Xylene		< 0.005 < 0.005 < 0.005 < 0.005		90.B 100.0 99.8 102.0 97.3	91.0 101.0 104.0 112.0 108.0	0.22 1.00 4.12 9.35 10.42		89.6 98.9 99.7 110.3 103.2		
SURROGATE	SPIKE RECO	VERY FOR	BTEX					% REC		
4-Bromofluoro	benzene					<u></u>		103.8		
ANALYTE		STD								
Flashpoint		82°F								

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

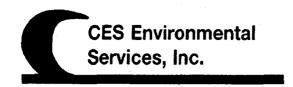
MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank

MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature Holland D. Gilmore / Laboratory Director

January 2, 2007

DMV stainless -Prot#2002



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/12/2007

Dear Robert Holroyd

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2002

Generator: DMV Stainless USA, Inc 12050 W. Little York Drive Address:

Houston, TX 77041

Waste Information

Name of Waste: Oily absorbent **TCEQ Waste Code #: 90084091**

Container Type:

Detailed Description of Process Generating Waste:

Clay absorbent contaminated with various lubricants including chlorinated paraffins (nor

hazardous)

Color: dark brown to black

Odor: none

pH: na

Physical State:

Incompatibilities: None known

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



2002

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Gener	ator Information				
Company:	DMV Stainless USA, Inc.				
Address:	12050 West Little York				
City, State, Zip:	Houston, TX 77041				
Contact:	Robert Holroyd		Title:	HS&E Manager	
Phone No:	(713) 466-7278		Fax No:	(713) 466-3769	
24/hr Phone:	(713) 466-7278		_		
U.S. EPA I.D. No:	TXD987983152		=		
State I.D.	39154		SIC Code:	N/A	
			-		
SECTION 2: Billing	Information – 🛛 Sam	e as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax No:			
_					
SECTION 3. Genera	al Description of the W	aste			
BECTION J. Genera	at Description of the vv	<u>astc</u>			
Name of Waste: Oily	Absorbent				
		Waste: Clay absorbent of	contaminated wi	th various lubricants including chlorinated	
parrafins (non-hazardo		City accordant	Jonannia de VII	di various iusiivamo meranig emormated	
partamin (non nazarac	<u>/uu/</u>				
Physical State:	Liquid 2	Sludge [Powder		
I my steat state.	- "			_	
	⊠ Solid □	Filter Cake	Combination	а	
	71.1				
Color: <u>Dark Brown to Black</u> Odor: <u>None</u>					
Specific Gravity (wat	ter=1): <u>1.1</u>	Density: 9-9.3 lbs/gal			
Layers:	Single-phase	☐ Multi-phase		•	
Container Type:	⊠ Drum [☐ Tote ☐	Truck	Other (explain)	
Container Size:	<u>55</u>				
Container Size:	<u>55</u>				
Frequency:	☐ Weekly ∑	Monthly	Quarterly	Yearly	
Number of Units (cor		Other:		_ •	
•	· —	<u></u>			
Texas State Waste Co	ode No:9(1904800			
Proper U.S. DOT Shi	pping Name:	Non-RCRA/Non DO	Γ regulated oily	absorbent	
Class: N/A	UN/NA:	N/A	PG: N/A	A RQ: N/A	
C1235. 1VA	Olvina.	11/11	TG. 177		
Flash Point	pH Re	active Sulfides	Reactive C	yanides Solids	
N/A		<u>active Suffices</u> <u>{L</u> mg/l	BRLmg/I	100%	
Oil&Grease	TOC	Zinc	Copper	Nickel	
>100mg/l	N/Amg/l	BRLmg/I	BRLmg/I	BRLmg/I	
	· · · · · · · · · · · · · · · · · · ·		: <u>-:-</u>		

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %	
Clay Absorbent	95	%	
Non-Hazardous Lubricants	5	%	
see sprofile # 1016 for info on MSDS			

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. $\underline{Standard\ PPE}$

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

Per proces knowledge, lubricants do not contain any RCRA metals

TCLP Volatiles:

No volatile materials are part of generating process

TCLP Semi-Volatiles:

No semi-volatile materials are part of generating process No reactive materials are introduced into the process

Reactivity:

pH is neutral (checked before shipped)

Corrosivity: Ignitability:

No ingitable materials are introduced into the process

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above a	and					
ttached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful						
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials						
tested are representative of all materials described by this document.						
Authorized Signature: Robert Hohen Date: 1/8/2007						
Authorized Signature: Mohay Date: 1/8/2007						

Printed Name/Title: Robert Holroyd/EH&S Manager	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Robban Blya	Additional Information:
Date: 1-10-07 (Approved) Rejected	056
Approval Number: 2002	

<u>S</u>]	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Met	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes
	Wastewater from paint wasnes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L :: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, cabove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Williams Brothers 2003 Rof# 2003

EPAHO105001548



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/12/2007

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2003

Generator: Williams Brothers

Address: 1650 Holmes

Houston, TX 77045

Waste Information

Name of Waste: Diesel and water TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Diesel left in storage tank

Color: light brown

Odor: mild diesel

pH: 3-11

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: General Company: Address: City, State, Zip: Contact: Phone No: 24/hr Phone: U.S. EPA I.D. No: State LD.	HCESOS CESOS		Title: Fax No: SIC Code:		
SECTION 2: Billing Company: Address: City, State, Zip: Contact: Phone No:	Information - San San San San San San San San	Title:	Rd 1316 0ffice mar 036-483-34	074	
SECTION 3: Genera	al Description of the W	'aste			
Name of Waste: Di Detailed Description	esel twate	Waste: Diesel 1	ettinStorag	etonik	
Physical State:	•	Sludge [] Filter Cake	☐ Powder☐ Combination		
Color: light dro		mild Diese	_)		
Specific Gravity (wat	ter=1):	Density: Ibs/gal			
Layers:	Single-phase	Multi-phase			
Container Type: Container Size:	Drum [Tote 💆	Truck 200	Other (explain)	
Frequency:					
Texas State Waste Code No: Recyclable					
Proper U.S. DOT Shipping Name: Recyclable Hydrocarbon I water Mixture					
Class: 3	UN/NA:	- NA1993	PG: TIL SAKE	RQ:	
Flash Point		cactive Sulfides	Reactive Cyanides	Solids	
7140	TOC	mg/l	Copper N	ickel	
Oil& Greanc	TOC 1500	Zinc mg/l	mg/l	mg/i	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Diesel	60-80	90
water	10-20	%
Dirt	1-3	40

The waste consists of the following materials	Ranges are acceptable	or %
Diesel	60-80	90
Water	10-20	%
Dirt	1-3	90
SECTION 5: Safety Related Data		
If the handling of this waste requires the use of special protective equipment of a mand	ment, please explain.	
SECTION 6: Attached Supporting Documents		
List all documents, notes, data, and/or analysis attached to this form as	part of the waste approval packs	ge.
SECTION 7: Incompatibilities		
Plt-1/A list all incompatibilities (if any);		
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the hazardous waste characteristics, listed below generator knowledge:	, WAS NOT PERFORMED base	ed upon the following
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:		
SECTION 9: Generator's Certification	•	
The information contained herein is based on generator knowledge and attached description is complete and accurate to the best of my knowled omissions of composition properties exist and that all known or suspected tested are representative of all materials described by this document.	lge and ability to determine that hazards have been disclosed. I c	no deliberate or willful
Authorized Signature: 26. Mckay 5h. Printed Name/Title: 26. Mckay 5h.	Date: 11110	7
CES USE ONLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer: Kabbert Raya Addition	onal Information;	
Date: 1-12-07 (Approved) Rejected	REC	

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Rubbert Rayer	Additional Information;
Ditie: 1-12-07 (Approved) Rejected	REC
Approval Number: 2003	

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? YES

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

s Subcategory: Subpart A
Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
ubcutcyory: Subpart B
Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
ics Subcategory: Subpart C
Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations

(1)	If the waste contains oil and gr	ease at or in excess of 100 mg/L,	the waste should be classified in the o	ils subcategory.
-----	----------------------------------	-----------------------------------	---	------------------

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

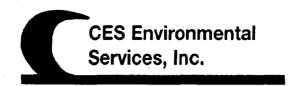
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or
	nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory
Oils Subcategory
Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Enterprise Andrib operting OCT



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/12/2007

Dear Marty Goodpasture/Joe Hawkins

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2004

Generator: Enterprise Products Operating (Substation-Texas City)

Address: 700 14th Street South

Texas City, TX 77590

Waste Information

Name of Waste: LPG tank cleaning solution

TCEQ Waste Code #: CESQ1142

Container Type:

cac box

Detailed Description of Process Generating Waste:

Cleaning of LPG tank

Color: yellowish

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

8326761250

Houston, TX 77021 Fax: (713) 676-1676 #2004

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information		-			
Company:	Enterprise Products					
Address:	700 14th Street Sout			·		
City, State, Zip:	Texas City Texas 7					
Contact:	Marty Goodpasture	·	_ Title:	Operation	n Supervisor	
Phone No:	713-803-2230		_ Fax No	713-803-	2250	
24/hr Phone:	CES-713-676-1460		_			
U.S. EPA I.D. No:	36472	\	_	, 1		
State I.D.	TXD000838698	ر	SIC Co	de: N/2	¥	
SECTION 2: Billing Company:	Information – 🔀 Sa Enterprise Products O		_			
	PO BOX 450678					
****	Houston Texas 77245					
Contact:		Title:	i			
Phone No:		Fax No:				
SECTION 3: General	al Description of the	Waste				
Name of Waste: <u>LPC</u> Detailed Description		ion ng Waste: Cleaning of LPG	G Tank			
Physical State:	∠ Liquid	☐ Sludge [Powde	Γ		
I mysica, crave	Solid	Filter Cake		ination		
	Somu	Filter Cake	_ Comp	mation		
Color: Yellowish	O	dor: <u>none</u>				
Specific Gravity (wat	ter=1): <u>1.0</u>	Density: 8 lbs/gal	i			
Layers:	Single-phase	Multi-phase	•		K. Santa and A. Sa	
Container Type: Container Size:	Drum	Tote	Truck		Other (explain) vac box-3000 gal	
Frequency: Number of Units (cor Texas State Waste Co		Monthly Cother:] Quar	terly 🖂	Yearly	
	Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material					
•				<u> </u>	70. 314	
Class: NA	UN/NA	: NA	PG:	NA	RQ: NA	
		Dagating Sulfidae	Dagge	tive Cyanides	Solids	
Flash Point	(- · · · ·	Reactive Sulfides	Omg/		< <u>5</u> %	
<u>>150</u>		Omg/l Zine	Copper		ckel	
Oil&Grease	TOC <1500mg/l	Omg/I	Omg/I		ng/l	
<1500mg/l	<u>> (200</u> mg/l	1 2408/1	J. 11.	<u> </u>	<u>''b' ' </u>	

01/12/2007 07:43

SECTION 4: Physical and Chemical Data

8326761250

The waste consists of the following materials	Ranges are acceptable	or %
Water	93-99	%
Rust Scale	1-5	%
Soap	0-5	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. **Analysis**

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	
TCLP Volatiles:	BTEX
TCLP Semi-Volatiles:	X
Reactivity:	<u>X</u>
Corrosivity:	X
Ignitability:	

Authorized Signature:

SECTION 9: Generator's Certification

The information contained herein is based on 🖾 generator knowledge and/or 🔯 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document. Date: 1-11-07

Printed Name/Title: MA Goody stra	Operations Supervisor
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer:	Additional Information:
Date: /- 17 Z - 18 7 Approved Rejected	114
Approval Number: 7004	

1	SECTION 10: Waste Receipt Classification Under 40 CFR 4	137			
J	s this material a wastewater or wastewater sludge? [YES	⊠ NO			
1	f'Yes', complete this section.				
1	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPRO	PRIATE CATI	EGORY, GO T	O THE NE.	XT PAGE.
<u>Me</u>	tuls Subcategory: Subpart A				
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi		osphating ope	rations	
	Subcategory: Subpart B	SMICITE			
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes				
 Ote	nnics Subcategory: Subpart C				
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sou Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation	ırces			
	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources			•	

(1)	If the w	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chromi Copper	nm: 0.2 mg/L num: 8.9 mg/L : 4.9 mg/L 37.5 mg/L
(3)		aste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or bove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460 Fax:

7136761676

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

6120559

Client Sample ID: Extended ID:

LPG Tank Cleaning Sol Enterprise Texas City

Sample Collect Date: 12/19/2006 @ 11:00:00 AM

Sample Type:

Grab

Sample Receipt Date: 12/26/2006 @ 11:20:00 AM

Test Group / Method					
Ignitability Method: SW-846 1010	MDL		Result	Units	Analyst: DB Date / Time
Flashpoint			>150	deg F	12/27/2006 / 11:00 AM
Total Petroleum Hydrocarbons Wa Method: TNRCC 1005	ater MDL		Result	Units	Analyst: TFR Date / Time
C6 - C12 Hydrocarbons	5		< 5	mg/L	12/27/2006 / 12:10 AM
>C12 - C28 Hydrocarbons	5		< 5	mg/L	12/27/2006 / 12:10 AM
>C28 - C36 Hydrocarbons	5		< 5	mg/L	12/27/2006 / 12:10 AM
Total Petroleum Hydrocarbons	15		< 15	mg/L	12/27/2006 / 12:10 AM
BTEX (W) Method: EPA 602	MDL		Result	Units	Analyst: TFR Date / Time
Benzene	0,005		< 0.005	mg/L	12/29/2006 / 9:08 AM
Toluene	0.005		< 0.005	mg/L	12/29/2006 / 9:08 AM
Ethyl benzene	0.005		< 0.005	mg/L	12/29/2006 / 9:08 AM
M+P-Xylene	0.005		0.030	mg/L	12/29/2006 / 9:08 AM
o-Xylene	0.005		< 0.005	mg/L	12/29/2006 / 9:08 AM
TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: TFR Date / Time
Antimony	0.032	1	< 0.032	mg/L	12/29/2006 / 12:37 AM
Arsenic	0.014	5	< 0.014	mg/L	12/29/2006 / 12:37 AM
Barium	0.0005	100	0.0695	mg/L	12/29/2006 / 12:37 AN
Beryllium	0.0005	80.0	0.0080	mg/L	12/29/2006 / 12:37 AM
Cadmium	0.002	1	0.007	mg/L	12/29/2006 / 12:37 AN
Chromium	0.002	5	0.038	mg/L	12/29/2006 / 12:37 AN
Lead	0.005	5	0.032	mg/L	12/29/2006 / 12:37 AM
Nickel	0.003	70	1.50	mg/L	12/29/2006 / 12:37 AN
Selenium	0.024	1	< 0.024	mg/L	12/29/2006 / 12:37 AM

Report Date: 03-Jan-07

Page 1 of 2

- CERTIFICATE OF RESULTS -

MES Lab#:

6120559

Client Sample ID:

LPG Tank Cleaning Sol

Extended ID:

Enterprise Texas City

Sample Collect Date: 12/19/2006 @ 11:00:00 AM

Sample Type:

Grab

Sample Receipt Date: 12/26/2006 @ 11:20:00 AM

0.002

0.004 mg/L 12/29/2006 / 12:37 AM

TCLP Mercury

RL

Units

Analyst: TFR Date / Time

Method: SW-846 7470A Mercury

Silver

MDL 0,0002 0.2 Result < 0.0002

12/29/2006 / 10:29 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

L. Holland D. Gilmore, Laboratory Director

Wednesday, January 03, 2007

Date

Report Date: 03-Jan-07

Page 2 of 2

6120559

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L		CCV %REC	LOW CHECK STD	ICS %REC
Antimony	< 0.032	103.8	98.8	4,89	< 0.032)	96.5	118.0	96.4
Arsenic	< 0.002	100.3	91.9	8.72	< 0.002		98.3	106.0	90.4
Barium	< 0.002	101.0	97.6	3.48	< 0.002	-	92.5	92.4	86.1
Beryllium	< 0.002	90.9	95.9	5.36	< 0.002	-	92.6	93.6	93.5
Cadmium	< 0.001	95.3	91.9	3.58	< 0.002		88.1	91.6	83.4
Chromium	< 0.001	106.5	107.8	1.21	< 0.00		92.9	96.4	90.7
Lead	< 0.002	97.4	98.3	0.95	< 0.002		93.0	93.9	82.3
Mercury	< 0.0002	101.0	97.5	3.53	< 0.000	-	102.0	100.0	42.4
Nickel	< 0.001	103.0	104.0	0.97	< 0.001		94.3	95.2	85.3
Selenium	< 0.024	104.0	93.5	10.69	< 0.024		98.3	97.8	94.1
Silver	< 0.001	101.4	97.8	3.61	< 0.001		97.2	96.0	90.6
	• .								
ANALYTE	STD								
Flashpoint	82°F			-					
ANALYTES	METHOD TPH1005	MB mg/L		CCV %REC	MS %REC	MSD %REC			
 C6-C12		< 4		94.8	97.4	97.0			
C12-C28		< 8		98.4	100.0	99.4			
				"4 0	4400			001	
ANALYTES	METHOD 8021B	MB mg/L		MS %REC	MSD %REC	RPD		CCV %REC	
Benzene		< 0.005		87.6	90.3	3.04		107.6	
Toluene		< 0.005		78.6	84,1	6.76		105.2	
Ethylbenzene		< 0.005		95.4	100.6	5.31		103.6	
n+p Xylene		< 0.005		87.6	92.6	5.55		101.8	
-Xylene		< 0.005		90.8	95.8	5.36		101.4	
URROGATE	SPIKE RECOV	ERY FOR	BTEX					% REC	
-Bromofluorol			96.3						

6120559 Page 2

QA/QC REPORT CONTINUED

Standards Utilized:

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature:
Holland D. Gilmore / Laboratory Director

January 3, 2007

EPAHO105001564

COMPANY NAME: (BILL TO:)	5 Enviro	nneute	-/		l	ME	ES		- C	HAN	1 OF	CUS	YDOT	1-800-771-4MES (281) 476-4534
COMPANY ADDRESS:				· · · · · · · · · · · · · · · · · · ·	N 65	lercu 913 Hu	ry E	nvir • De	onme er Park	enta k, TX :	l Ser 77536	vices	5	Fax (281)-476-4406
CITY	ST.	ATE	ZIP _			PA	RAMET	ERS F	OR AN	IALYS!	s		7	REMARKS
CONTACT PERSON'S NAME: 6-49 CONTACT PERSON'S PHONE: 7/3-9	11-0 707	FAX#:			4		The state of the s	W		1			MINERS	TURNAROUND TIME
PROJECT ADDRESS:			DIECT HAME: C- AB	TXGITS		13	3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				NUMBER OF COME	PPESERVA TOWS	DETECTION LIMITS SPECIAL LIMITS REQUIRED Yes No
TEXAS CITO YOUR SANFLE DESCRIPTION	GRABICOMP.	1100	TIME	MATRIX	-		1 2		X	/		SCM.	E.	Please circle one, il Yes. please describe below
LPG Tunt (len 4 ing.		12-19	11:00	Lia	1	See	M Note		-			1		or include separate sheet detailing requirements.
	707													77794>1500 75577647492
														TH TRYL 1500 Test Teup(1)ma
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			 								ļ 			MC
		ļ							<u> </u>		ļ	<u> </u>		
					-		 	 	<u> </u>	_	ļ	<u> </u>	 	
PERSON TAKING SAMPLE SIGNATURE (a Prim	Name & b Sign.):				INQUISHED	BY:				DA	re .	TIME]]¤	
BEUNQUISHED BY Signaturel	B. DATE TIME	RECEIVED	BV.		ANOVINO HOLA	<i>[]</i>	~			// DA	160	//:2	0	JUN
	I III	(Signature)	U 1.	(9.2)	INQUISHE multura)	, at.			~~		·= \ I	INTE		ecented ey:
METHOD OF PAYMENT	SHIPPEO BY: (Signature)			OURIER gristure)	-			PE (SA)	CEIVED F	W	ST.			PA TIME
Sample Remainder Disposal	· · · · · · · · · · · · · · · · · · ·			D	Request L	ab To [)ispose	Of All S	ample R	Remain	Jers (~ `)	
☐ Return Sample Remainder To Client Via Form # MES - CCR:				(Sig	Jumpure)								(Date)	

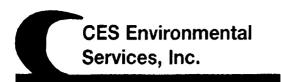
CES Environmental Services, Inc.

4904 Griggs Rd. Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

Fax Transmittal

Total N	umber of Pages (including cover sheet):
Date:	1-3-07
To:	Marty Enterprise 7/3-803-2250
From:	Gary Brauckman CES Environmental Services, Inc. Mobile: (713) 417-5737
Notes:	Analytical Report - For UPG Tanto Cleaning Solution
·	MG Janto Cleaning Solution
	2- Vac Boxes (Mayon)
·	
,,	
2.5	·
?*	

Veteo Gruss 2005 Prof# 2005



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/15/2007

Dear Dustin Cambell

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2005

Generator: Vetco Gray

Address: 12221 N. Houston Rosslyn

Houston, TX 77086

Waste Information

Name of Waste: Universal waste -light bulbs and ballasts

TCEQ Waste Code #: UNIV

Container Type:

box

Detailed Description of Process Generating Waste:

Used light bulbs and ballasts

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Your closely intons - My routed (34/16/22)



CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

(713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

2005

SECTION 1: Genera	ator Information						
Company:	Vetco Gray Inc.						
Address:	12221 N. Houston	Rosslyn Road					
City, State, Zip:	Houston, TX 770	36					
Contact:	Dustin Campbell		Title:	HSE Coordin	nator		
Phone No:	281-847-4644		Fax No:	281-405-564	4		
24/hr Phone:							
U.S. EPA I.D. No:	TXD060720505						
State I.D.	30299		SIC Code:	NA			
SECTION 2: Billing Company: Address: City, State, Zip:	Information – 🛛 🤉	Same as Above					
Contact:		Title:		·			
Phone No:		Fax No:			· · · · · · · · · · · · · · · · · · ·		
SECTION 3: General Name of Waste: Uni							
		ing Waste: Used light bul	bs and ballasts				
Physical State:	☐ Liquid ☐ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combination	n			
Color: varies	(Odor: none					
Specific Gravity (was	ter=1): <u>NA</u>	Density: NA lbs/gal					
Layers:	Single-phase	☐ Multi-phase					
Container Type:	□ Drum	Tote [Truck	⊠ Ot	her (explain)		
Container Type. Container Size:	55 gal		_ IIucx	_	xes		
Container Size.	<u>55 yai</u>			<u>50</u>	<u> </u>		
Frequency:	☐ Weekly	Monthly	☐ Quarterly	□ Ve	arly		
Number of Units (co		Other:	- Quarterry	<u>.</u>	- J		
•	′ 						
Texas State Waste C	ode No: Ut	niversal Waste					
Proper U.S. DOT Shi	ipping Name:	Environmentally Ha		e, solid, n.o.s.			
Class: 9	UN/N	A: UN3077	PG: III		RQ: NA		
<u>-</u>					······································		
Flash Point	pН	Reactive Sulfides	Reactive Cy	anides	Solids		
NA	NA	NAmg/I	NAmg/I		100%		
Oil&Grease	TOC	Zinc	Copper	Nickel	L. #1		
NAme/I	NAmg/I	NAmg/I	NAmg/I	NAmg/	1		

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Flourescent Light Bulbs	0-100	%
HID Lamps	0-100	%
Ballasts	0-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

TCLP Wetals: TCLP Volatiles: TCLP Semi-Volatiles:

Reactivity:

SECTION 8: Generator's Knowledge Documentation

tested are representative of all materials described by this document.

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

Corrosivity:	$\overline{\underline{\mathbf{X}}}$				
Ignitability:	<u>X</u>				
SECTION 9: Gen	erator's Certification				
attached description	n is complete and accu	urate to the best of m	vledge and/or analytical y knowledge and ability t	o determine that no	deliberate or willful
omissions of compo	osition properties exist	and that all known or	suspected hazards have be	en disclosed. I cert	tify that the materials

Authorized Signature: Date: 1-8-07

Printed Name/Title: Dustin Campbell - HSE Coordinator

Ces use only (do not write in this space) Compliance Officer: Political Approved Rejected	Process Facility Information: UNIV - REC
Approval Number: 2005	

	SECTION 10: Waste Receipt Classification Under 40 CFR 437
	Is this material a wastewater or wastewater sludge? YES NO
	If 'Yes', complete this section.
	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>N</u>	letals Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>o</u>	ils Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>o</u>	rganics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations
F	Tank clean-out from organic, non-petroleum sources

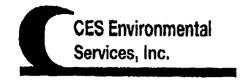
(1)	If the w	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom: Copper	um: 0.2 mg/L ium: 8.9 mg/L :: 4.9 mg/L 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

FROM SOUTHCOAST 7318715487

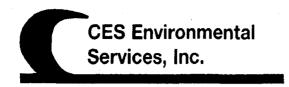


4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #: HOU-2105							
Customer:	South Coast Terminals (Wallisville)						
Waste Generator:	South Coast Te	South Coast Terminals (Wallisville)					
Waste Stream Name:	Slop oil						
Expiration Date:	3/19/2009						
As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-lazardous as per 40 CFR 261.3. Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)							
No changes, please rece	rtífy.	Analysis is NOT required for recertification.					
Please send new profile has changed.	as waste stream	☐ The following analysis is required for recertification. Please sumbit results of the following tests.					
South Coast Customer Name Paladu A Signature HSE Manage Company/Title 3/30/09	Jerminals Idamo	☐ TCLP Metals ☐ TCLP Volatiles ☐ TCLP Semi-volatiles ☐ Reactivity ☐ Corrosivity ☐ Ignitability					

Weatherford (Valkynie Commissioning)
Prof # 2006



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/15/2007

Dear Derrick Johnson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2006

Generator: Weatherford (Valkyrie Commissioning)

Address: 13415 Emmet Road

Houston, TX 77041

Waste Information

Name of Waste: Diesel

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Product removed from equipment fuel tanks for servicing

Color: clear

Odor: diesel

pH: na

Physical State:

Incompatibilities: oxidizers

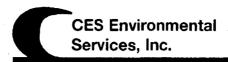
Safety Related Data/Special Handling:

Level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676 # 2006

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener					
Company:	Weatherford (Valkyri	e Commissioning Service)		
Address:	13415 Emmett Road				
City, State, Zip:	Houston, TX 77041				
Contact:	Myric Harris		Title:	Field Service Rep	
Phone No:	832-243-9000		Fax No:	832-243-9001	
24/hr Phone:	CES-713-676-1460		-		
U.S. EPA I.D. No: T			-		i.
State I.D.	CESQ 6		SIC Code:	NA	:
			-	_/*//	
SECTION 2. Dilling	Information – 🛛 San	a aa A baya			
Company:	THIOTHIALION - M San	ie as Abuve			
Address:					
					1.5
City, State, Zip:					· · · · · · · · · · · · · · · · · · ·
Contact:		Title:		· · · · · · · · · · · · · · · · · · ·	
Phone No:		Fax No:			
SECTION 3: Genera	al Description of the W	'aste			i.
					
Name of Waste: Dies	sel				
Detailed Description	of Process Generating	Waste: Product removed	d from equipmen	nt fuel tanks for servicing	
•					
Physical State:	□ Liquid □	Sludge	Powder		
v	□ Solid □	Filter Cake	Combinatio	n .	
] Combinatio	1	
Öztem elem	0.1	12 1			:
Color: clear	Odo	r: <u>diesel</u>			
Specific Gravity (wat	er=1): <u>.80</u>	Density: 7 lbs/gal			
Layers:	Single-phase	Multi-phase			i.
	8 1	_ ,			
Containor Types	Drum [☐ Tote ☐	Truck	Other (explain)	:
Container Type:			Truck	U Other (explain)	
Container Size:	<u>55 gal</u>				
Frequency:	☐ Weekly [Monthly	Quarterly	∀early	
• •	*	•	Quarterly	[Tearry	
Number of Units (con		Other:			
Texas State Waste Co	ode No: NA-R	ecyclable Material			
Proper U.S. DOT Shi	nning Name:	Diesel Fuel, 3, NA199	3 PG-II		
Froper C.S. DOT SIII	pping Maine.		3, 1 G-H		
Class: 3	UN/NA:	NA 1993	PG: II	RQ: NA	
Flash Point	pH Re	eactive Sulfides	Reactive C	yanides Solids	
>140		ıg/l	<u>0</u> mg/l	<u><1%</u>	
Oil&Grease	TOC		Copper	Nickel	
>1500mg/l	>1500mg/l	<u>0</u> mg/l	Omg/I	0mg/l	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Diesel Fuel	90-100	%	
Water	0-10	%	
Dirt	0-1	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles:

Reactivity:

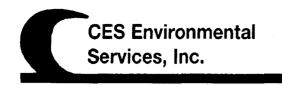
SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>
SECTION 9: Generat	or's Certification
attached description is omissions of composition	need herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful on properties exist and that all known or suspected hazards have been disclosed. I certify that the materials of all materials described by this document.

Authorized Signature: ___ Date: 1-15-2007 Printed Name/Title: Product-No Signature Required CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Robbah Oh Additional Information: Approved Rejected Approval Number: 2006

Weathorford (Valkyrie Commissionagy)
Rof # 2007



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/15/2007

Dear Derrick Johnson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2007

Generator: Weatherford (Valkyrie Commissioning)

Address: 13415 Emmet Road

Houston, TX 77041

Waste Information

Name of Waste: Gasoline TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:Product removed from equipment fuel tanks for servicing

Color: slight pink

Odor: gasoline

pH: na

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



2007

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	rator Information			
Company:	Weatherford (Valkyri	e Commissioning Service)	
Address:	13415 Emmett Road			
City, State, Zip:	Houston, TX 77041			
Contact:	Myric Harris		Title:	Field Service Rep
Phone No:	832-243-9000		Fax No:	832-243-9001
24/hr Phone:	CES-713-676-1460		_	
U.S. EPA I.D. No:T			_	
State I.D.	CESQ6		SIC Code:	NA
SECTION 2: Billing Company:	z Information – 🛛 Sam	ne as Above		
Address:				
City, State, Zip:				
Contact:		Title:		
Phone No:		Fax No:		
_				
SECTION 3: Gener	al Description of the W	'aste		
Name of Waste: Gas Detailed Description		Waste: Product removed	d from equipmen	nt fuel tanks for servicing
Physical State:	□ Liquid □	Sludge [Powder	
i nysicai State.				
	Solid [Filter Cake] Combination	1
Color: slight pink	Odo	r: gasoline		
Specific Gravity (wa	ter=1): <u>.80</u>	Density: 7 lbs/gal		
Layers:	Single-phase	⊠ Multi-phase		
Container Type:	Drum [Tote 🔲	Truck	Other (explain)
Container Size:	55 gal	,		
Container Size.	<u>oo yar</u>			
Frequency:	☐ Weekly □	Monthly [Quarterly	∑ Yearly
• •			Quarterly	Z rearry
Number of Units (cor	/ -	Other:		
Texas State Waste Co	ode No: NA-Re	ecyclable Material		
Proper U.S. DOT Shi	ipping Name:	Gasoline, 3, UN1203,	PG-II	
Class: 3	UN/NA:	UN1203	PG: II	RQ: NA
			·	
Flash Point	pH Re	active Sulfides	Reactive Cy	vanides Solids
<140	-	active Sumues ng/l	0mg/l	Solids <1%
Oil&Grease	TOC	T	Copper	Nickel
>1500mg/l	>1500 >1500 mg/l		Omg/I	Omg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Gasoline	90-100	%
Water	0-10	%
Dirt	0-1	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level \underline{C}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

TCLP Metals:

SECTION 8: Generator's Knowledge Documentation

<u>X</u>

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Volatiles:	<u>X</u>	
TCLP Semi-Volatiles:	\overline{X}	
Reactivity:	X	
Corrosivity:	X	
Ignitability:	$\overline{\mathbf{X}}$	

The information contained herein is based on square generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Date: 1-15-2007

Printed Name/Title: Product-No Signature Required	
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Dalhah Chapea	Additional Information:
Date: 1-15-07 Approved Rejected	REC
Approval Number: 2007	

Vetro Gray 2008 Prof # 2008



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/16/2007

Dear Dustin Cambell

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2008

Generator: Vetco Gray

Address: 12221 N. Houston Rosslyn

Houston, TX 77086

Waste Information

Name of Waste: Puregwater TCEO Waste Code #: 00071191

Container Type:

Detailed Description of Process Generating Waste:

Purgewater from monitor wells

Color: clear

Odor: non

pH: 4-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com/20% TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	rator Information				
Company:	Vetco Gray, Inc.				
Address:	12221 N. Houston		·		
City, State, Zip:	Houston, TX 770	86			
Contact:	Dustin Campbell		Title:	HSE Coordinator	
Phone No:	(281) 878-4644		_ Fax No:	(281) 405-5644	
24/hr Phone:	(281) 744-0567			·	
U.S. EPA I.D. No:	TXD060720505		_		
State I.D.	30299		_ SIC Code:	3533	
SECTION 2: Billing Company: Address:	Information – 🛛	Same as Above			
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax No:			
SECTION 3: Gener Name of Waste: Pur Detailed Description	gewater	ne Waste ting Waste: Purgewater from	n monitor wells		
Physical State:	∠ Liquid	Sludge [Powder		
,		Filter Cake	Combinatio	•	
	Solid	I Filter Care	Combinatio		
Color: clear	(Odor: none			
Specific Gravity (wa	ter=1):	Density: 83 lbs/gal			
Layers:	⊠ Single-phase	☐ Multi-phase			
Container Type:	⊠ Drum	☐ Tote ☐	Truck	Other (explain)	
Container Size:	<u>55-gal.</u>				
Container Size.	<u>00-gar.</u>				
Frequency: Number of Units (con Texas State Waste Co	ode No: 00	☐ Monthly	Quarterly	☐ Yearly	
Proper U.S. DOT Sh	ipping Name:	Not DOT Regulated			
Class: NA	UN/N	IA: NA	PG:	JA RQ: N	'A
		1		_ 	
Flash Point	pН	Reactive Sulfides	Reactive C	vanides Solids	
= 140	<u>4-10</u>	<u>Dmg/l</u>		0_%	
Oil&Grease	TOC	Zinc	Copper	Nickel	
715 comg/l	<u>>1520</u> mg/l	P.D. mg/l	<u>BLU</u> mg/1	BRL mg/1	ł

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Purgewater from monitor well purging activities	100	%
		%
		%
		%
		%
		%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Accutest Analytical Report # T15771

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

Totals - As - 2.7, Ba 43.9; Cd 0.33; Cr 1.8; Lead 3.2; Hg 0.094; Se 3.2, Ag 0.50 (all in ug/l)

TCLP Volatiles:

8260 Volatiles all Non-Detect

TCLP Semi-Volatiles:

8270 Semi-Volatiles all Non-Detect except Diethyl Phthalate (0.0035 mg/l)

Reactivity: Corrosivity: Ignitability: Groundwater is not reactive Groundwater has near-neutral pH Groundwater is not ignitable

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Z. Caphill	Date: <u>1/11/07</u>
Printed Name/Title: Dustin L. Campbell - HSE Coordinator	
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Additional I Date: 1-15-07 Approved Rejected Approval Number: 2008	information:

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? XES If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory. (1) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess **(2)** of the values listed below, the waste should be classified in the metals subcategory. Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.				
	Metals Subcategory				
	Oils Subcategory				
	Organics Subcategory				

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

⊗ vetco	VETCO GRAY INC. WESTERN REGION	Doc: WR-HSE-FM-4033a	
	Waste Classification Documentation Form	Rev 0 (10/05)	Page 1 of 1

										Active: 🖂	Inactive	»: 🔲
						RAL INFORMATIO		1.1				
Waste Description:	r - Generator chooses to classify as Class 1 Waste					e ID No: 00071191						
									Facili	ty ID No: 3029	9	
									Facili	ty: Vetco Gray	, Inc.	
									Date:	1/8/07		
						CESS KNOWLEDG		14,43	la de la	a bayin edili. A		
Full Description of Waste Stream Generation Activities:			Purge water generated during monitor well development and sampling activities.									
Chemicals/Materials involved in the waste generation process:			Groundwater									
Potential Contaminants:			VOCs (none detected above action levels)									
MSDS Information (flash point, etc.) :			NA									
					L DA	TA – SAMPLING PI						
Sample 12 Date(s):	/20/06	;	Site/Unit Description(s): Monitoring Wells 1-7 from Chip House and Wash Bay Investigation Projects					Bay				
Sampling Methods and Equipment:			bailer and submersible pump									
Sampling Technique (collection, containe preservation):	Used bailer to recover											
Rationale for Sampling Plan :			Sampled all drums and composited for analysis									
				DO	CUMI	ENTATION ATTACI	HED					T
Analytical Results:	\boxtimes	C-C	O-C:		Ope	erating Procedure]		Class	ification Chec	klist:	
QC Data:	\boxtimes	MS	DS:		Mat	terial Specification						



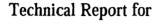


veitus valanti (Liv





12/29/06



IRC Liability Management LP

06-0035.003

Accutest Job Number: T15771

Sampling Date: 12/20/06

Report to:

IRC North America LP

jay.suddath@irc-americas.com

ATTN: Jay Suddath

Total number of pages in report: 83

nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Ron Martino Laboratory Manager



956-2006

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Gulf Coast • 10165 Harwin Drive • Suite 150 • Houston, TX 77036 • tel: 713-271-4700 • fax: 713-271-4770 • http://www.accutest.com

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Sample Summary

IRC Liability Management LP

06-0035.003

Job No:

T15771

Sample Number	Collected Date	Time By	Received	Matr Code		Client Sample ID
T15771-1	12/20/06	15:45 JS	12/21/06	so	Soil	IDW-1S
T15771-2	12/20/06	16:05 JS	12/21/06	AQ	Water	IDW-1W
T15771-3	12/20/06	00:00 JS	12/21/06	AQ	Trip Blank Water	TRIP BLANK



SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: IRC Liability Management LP

Job No

T15771

Site:

06-0035.003

Report Date

12/29/2006 2:52:33 PM

2 Samples and 1 Trip Blank were collected on 12/20/2006 and were received at Accutest on 12/21/2006 properly preserved, at 2.3 Deg. C and intact. These Samples received an Accutest job number of T15771. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ

Batch ID: VZ1425

- All samples were analyzed within the recommended method holding time.
- * All method blanks for this batch meet method specific criteria.
- Sample(s) T15771-2MS, T15771-2MSD were used as the QC samples indicated.
- Sample(s) T15771-1 have surrogates outside control limits. Outside of control limits biased high. There were no target compounds associated with this surrogate
- * T15771-3 for Acetone: Suspected laboratory contaminant.

Matrix SO

Batch ID: VY1066

Sample(s) T15771-1MS, T15771-1MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C

Matrix AO

Batch ID: OP6831

- * All samples were extracted within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- Sample(s) T15737-11MS, T15737-11MSD were used as the QC samples indicated.
- * All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Benzoic Acid, Hexachlorocyclopentadiene are outside control limits. Since the recoveries are biased high, the results are acceptable.
- Matrix Spike Recovery(s) for 2,4,5-Trichlorophenol, 4-Nitrophenol, Benzoic Acid, Pentachlorophenol are outside control limits. Compounds outside control limits due to matrix interference.
- * Matrix Spike Duplicate Recovery(s) for 4-Nitrophenol, Benzoic Acid, Pentachlorophenol are outside control limits. Compounds outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene are outside control limits for sample OP6831-MSD. Probable cause due to sample homogeneity.

Matrix SC

Batch ID: OP6837

- * All samples were extracted within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- * Sample(s) T15758-3MS, T15758-3MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 4-Nitroaniline, Di-n-octyl phthalate are outside control limits. Since the recoveries are biased high, the data is acceptable.
- Matrix Spike Recovery(s) for 2,4,5-Trichlorophenol, 4-Nitrophenol, Benzoic acid, Hexachlorocyclopentadiene, Pentachlorophenol are outside control limits. Compounds outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 4-Nitrophenol, Benzoic acid, Hexachlorocyclopentadiene, Nitrobenzene, Pentachlorophenol are outside control limits. Compounds outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4,5-Trichlorophenol, 2,4-Dimethylphenol, 2-Nitrophenol, 4,6-Dinitro-o-cresol, Benzo(a)anthracene, Butyl benzyl phthalate, Carbazole, Di-n-octyl phthalate, Dimethyl phthalate, N-Nitrosodiphenylamine, Pyrene are outside control limits for sample OP6837-MSD. Probable cause due to sample homogeneity.

Metals By Method SW846 6010B

Matrix AQ

Batch ID: MP5608

- All samples were digested within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T15759-1DUP, T15759-1MS, T15759-1MSD, T15759-1SDL, T15759-1DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Silver are outside control limits for sample MP5608-D1. RPD acceptable due to low duplicate and sample concentrations.
- RPD(s) for Serial Dilution for Lead are outside control limits for sample MP5608-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix SO

Batch ID: MP5596

- * All samples were digested within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- * All method blanks for this batch meet method specific criteria.
- Sample(s) T15718-20DUP, T15718-20MS, T15718-20MSD, T15718-20SDL, T15718-20DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Selenium, Silver are outside control limits for sample MP5596-D1. RPD acceptable due to low duplicate and sample concentrations.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Silver, Lead are outside control limits for sample MP5596-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP5596-SD1 for Lead: Serial dilution indicates possible matrix interference.

Page 2 of 3



Metals By Method SW846 7470A

Matrix AO

Batch ID: MP5605

- * All samples were digested within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T15759-1MS, T15759-1MSD, T15759-1DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Mercury are outside control limits for sample MP5605-D1. RPD acceptable due to low duplicate and sample concentrations.

Metals By Method SW846 7471A

Matrix SO

Batch ID: MP5598

- All samples were digested within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- * Sample(s) T15718-20DUP, T15718-20MS, T15718-20MSD were used as the QC samples for metals.
- Matrix Spike Duplicate Recovery(s) for Mercury are outside control limits. Probable cause due to matrix interference.

Wet Chemistry By Method EPA 160.3 M

Matrix SO

Batch ID: GN10952

Sample(s) T15758-7DUP, T15758-8DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used







Section 3



Sample Results	
Report of Analysis	

Client Sample ID: IDW-1W Lab Sample ID:

T15771-2

AQ - Water SW846 8260B 06-0035.003

Date Sampled: 12/20/06 Date Received: 12/21/06

Percent Solids: n/a

Project:

Matrix:

Method:

File ID Z0026897.D DF 1

Analyzed By 12/27/06 ZLH Prep Date n/a

Prep Batch n/a

Analytical Batch VZ1425

Run #1 Run #2

Purge Volume

Run #1 5.0 ml

Run #2

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.050	0.0028	mg/l	
71-43-2	Benzene	ND	0.0020	0.00023	mg/l	
75-27-4	Bromodichloromethane	ND	0.0020	0.00033	mg/l	
75-25-2	Bromoform	ND	0.0020	0.00065	mg/l	
108-90-7	Chlorobenzene	ND	0.0020	0.00054	mg/l	
75-00-3	Chloroethane	ND	0.0020	0.00046	mg/l	
67-66-3	Chloroform	ND	0.0020	0.00066	mg/l	
75-15-0	Carbon disulfide	ND	0.0020	0.00062	mg/l	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00052	mg/l	
75-34-3	1,1-Dichloroethane	ND	0.0020	0.00052	mg/l	
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.00068	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0020	0.00053	mg/l	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00059	mg/l	
124-48-1	Dibromochloromethane	ND	0.0020	0.00068	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0020	0.00083	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00059	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0020	0.00075	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00061	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
591-78-6	2-Hexanone	ND	0.010	0.0019	mg/l	
108-10-1	4-Methyl-2-pentanone	ND	0.010	0.0073	mg/l	
74-83-9	Methyl bromide	ND	0.0020	0.00047	mg/l	
74-87-3	Methyl chloride	ND	0.0020	0.00060	mg/l	
75-09-2	Methylene chloride	ND	0.0050	0.00067	mg/l	
78-93-3	Methyl ethyl ketone	ND	0.010	0.0030	mg/l	
100-42-5	Styrene	ND	0.0020	0.00050	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00037	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00046	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0020		mg/l	
127-18-4	Tetrachloroethylene	ND	0.0020	0.00074		
108-88-3	Toluene	ND	0.0020	0.00054		
79-01-6	Trichloroethylene	ND	0.0020	0.00063	mg/l	

ND = Not detected

MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

 $B \,=\, Indicates \ analyte \ found \ in \ associated \ method \ blank$

E = Indicates value exceeds calibration range



Accutest Laboratories

Report of Analysis

Page 2 of 2

Client Sample ID: IDW-1W Lab Sample ID: T15771-2

Matrix:

Method:

Project:

AQ - Water SW846 8260B

06-0035.003

Date Sampled: 12/20/06 Date Received: 12/21/06

Percent Solids: n/a

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4 1330-20-7	Vinyl chloride Xylene (total)	ND ND	0.0020 0.0060	0.00032 0.0011	mg/l mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	118% 115% 116% 111%		73-13 66-13 77-14 84-15	39% 18%	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B \,=\, Indicates \; analyte \; found \; in \; associated \; method \; blank \;$



Report of Analysis

Page 1 of 3

Client Sample ID: IDW-1W

File ID

1000 ml

H19296.D

Lab Sample ID: Matrix:

T15771-2 AQ - Water

Analyzed

12/22/06

Date Sampled: 12/20/06 Date Received: 12/21/06

Method:

SW846 8270C SW846 3550B

Percent Solids: n/a

Project:

06-0035.003

By SC Prep Date 12/20/06

Prep Batch OP6831

Analytical Batch EH1142

Run #1 Run #2

> Initial Volume Final Volume

Run #1

1.0 ml

DF

1

Run #2

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	0.010	0.00020	mg/l	
95-57-8	2-Chlorophenol	ND	0.0050	0.0024	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND	0.0050	0.0022	mg/l	
120-83-2	2,4-Dichlorophenol	ND	0.0050	0.0020	mg/l	
105-67-9	2,4-Dimethylphenol	ND	0.0050	0.0019	mg/l	
51-28-5	2,4-Dinitrophenol	ND	0.025	0.0012	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND	0.010	0.0036	mg/l	
95-48-7	2-Methylphenol	ND	0.0050	0.0021	mg/l	
	3&4-Methylphenol	ND	0.0050	0.0026	mg/l	
88-75-5	2-Nitrophenol	ND	0.0050	0.0023	mg/l	
100-02-7	4-Nitrophenol	ND	0.025	0.0013	mg/l	
87-86-5	Pentachlorophenol	ND	0.025	0.0019	mg/l	
108-95-2	Phenol	ND	0.0050	0.0011	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	0.0050	0.0019	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	0.0050	0.0024	mg/l	
83-32-9	Acenaphthene	ND	0.0050	0.0023	mg/l	
208-96-8	Acenaphthylene	ND	0.0050	0.0024	mg/l	
120-12-7	Anthracene	ND	0.0050	0.0027	mg/l	
56-55-3	Benzo(a)anthracene	ND	0.0050	0.0036	mg/l	
50-32-8	Benzo(a)pyrene	ND	0.0050	0.0030	mg/l	
205-99-2	Benzo(b)fluoranthene	ND	0.0050	0.0028	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.0050	0.0027	mg/l	
207-08-9	Benzo(k)fluoranthene	ND	0.0050	0.0030	mg/I	
101-55-3	4-Bromophenyl phenyl ether	ND	0.0050	0.0034	mg/l	
85-68-7	Butyl benzyl phthalate	ND	0.0050	0.0040	mg/l	
100-51-6	Benzyl Alcohol	ND	0.0050	0.0021	mg/l	
91-58-7	2-Chloronaphthalene	ND	0.0050	0.0022	mg/l	
106-47-8	4-Chloroaniline	ND	0.0050	0.0029	mg/l	
86-74-8	Carbazole	ND	0.0050	0.0029	mg/l	
218-01-9	Chrysene	ND	0.0050	0.0032	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.0050	0.0025	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND	0.0050	0.0027	mg/l	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

Page 2 of 3

Client Sample ID: IDW-1W

Lab Sample ID:

T15771-2

Date Sampled: 12/20/06 Date Received: 12/21/06

Matrix: Method:

AQ - Water SW846 8270C SW846 3550B

Percent Solids: n/a

Project:

06-0035.003

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.0050	0.0028	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.0050	0.0020	mg/l	
95-50-1	1,2-Dichlorobenzene	ND	0.0050	0.0015	mg/l	
541-73-1	1,3-Dichlorobenzene	ND	0.0050	0.0018	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	0.0050	0.0024	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	0.0050	0.0027	mg/l	
606-20-2	2,6-Dinitrotoluene	ND	0.0050	0.0027	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND	0.010	0.0028	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0050	0.0029	mg/l	
132-64-9	Dibenzofuran	ND	0.0050	0.0019	mg/l	
84-74-2	Di-n-butyl phthalate	ND	0.0050	0.0033	mg/l	
117-84-0	Di-n-octyl phthalate	ND	0.0050	0.0033	mg/l	
84-66-2	Diethyl phthalate	0.0035	0.0050	0.0028	mg/l	J
131-11-3	Dimethyl phthalate	ND	0.0050	0.0026	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.0050	0.0050	mg/l	
206-44-0	Fluoranthene	ND	0.0050	0.0029	mg/l	
86-73-7	Fluorene	ND	0.0050	0.0023	mg/l	
118-74-1	Hexachlorobenzene	ND	0.0050	0.0031	mg/l	
87-68-3	Hexachlorobutadiene	ND	0.0050	0.0020	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND	0.0050	0.0017	mg/l	
67-72-1	Hexachloroethane	ND	0.0050	0.0018	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0050	0.0025	mg/l	
78-59-1	Isophorone	ND	0.0050	0.0024	mg/l	
91-57-6	2-Methylnaphthalene	ND	0.0050	0.0025	mg/l	
88-74-4	2-Nitroaniline	ND	0.0050	0.0027	mg/l	
99-09-2	3-Nitroaniline	ND	0.0050	0.0024	mg/l	
100-01-6	4-Nitroaniline	ND	0.0050	0.0050	mg/l	
91-20-3	Naphthalene	ND	0.0050	0.0016	mg/l	
98-95-3	Nitrobenzene	ND	0.0050	0.0030	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.0050	0.0025	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND	0.0050	0.0035	mg/l	
85-01-8	Phenanthrene	ND	0.0050	0.0027	mg/l	
129-00-0	Pyrene	ND	0.0050	0.0036	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0050	0.0026	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limit	ts	
367-12-4	2-Fluorophenol	39%		10-66		
4165-62-2	Phenol-d5	24%		10-53	3%	
118-79-6	2,4,6-Tribromophenol	83%		32-12	8%	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Accutest Laboratories

Report of Analysis

Page 3 of 3

Client Sample ID: IDW-1W

Lab Sample ID: Matrix:

T15771-2

Date Sampled: 12/20/06 Date Received: 12/21/06

Method: Project:

AQ - Water SW846 8270C SW846 3550B 06-0035.003

Percent Solids: n/a

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		29-115%
321-60-8	2-Fluorobiphenyl	86%		34-113%
1718-51-0	Terphenyl-d14	97%		12-145%

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Accutest Laboratories

Report of Analysis

Page 1 of 1

Client Sample ID: IDW-1W Lab Sample ID: T15771-2

Matrix:

T15771-2 AQ - Water Date Sampled: 12/20/06 Date Received: 12/21/06

Percent Solids: n/a

Project:

06-0035.003

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	2.7 U	5.0	2.7	ug/l	1	12/27/06	12/28/06 NS	SW846 6010B ¹	SW846 3010A ⁴
Barium	43.9 B	200	3.0	ug/l	1	12/27/06	12/28/06 NS	SW846 6010B 1	SW846 3010A ⁴
Cadmium	0.33 B	4.0	0.24	ug/l	1	12/27/06	12/28/06 NS	SW846 6010B 1	SW846 3010A ⁴
Chromium	1.8 U	10	1.8	ug/l	1	12/27/06	12/28/06 NS	SW846 6010B 1	SW846 3010A ⁴
Lead	3.2	3.0	0.70	ug/l	1	12/27/06	12/28/06 NS	SW846 6010B 1	SW846 3010A ⁴
Mercury	0.094 U	0.20	0.094	ug/l	1	12/27/06	12/28/06 NS	SW846 7470A ²	SW846 7470A ³
Selenium	3.2 U	5.0	3.2	ug/l	1	12/27/06	12/28/06 NS	SW846 6010B 1	SW846 3010A ⁴
Silver	0.50 U	10	0.50	ug/l	1	12/27/06	12/28/06 NS	SW846 6010B ¹	SW846 3010A ⁴

(1) Instrument QC Batch: MA2725(2) Instrument QC Batch: MA2726(3) Prep QC Batch: MP5605(4) Prep QC Batch: MP5608

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL



By ZLH

Analyzed

12/27/06

Client Sample ID: TRIP BLANK

Lab Sample ID: Matrix:

T15771-3

AQ - Trip Blank Water

DF

Date Sampled: 12/20/06 Date Received: 12/21/06

Prep Batch

n/a

Method:

SW846 8260B

Percent Solids: n/a

Project:

06-0035.003

Prep Date n/a

Analytical Batch

VZ1425

Run #1 Run #2

Purge Volume

Z0026895.D

Run #1

5.0 ml

File ID

Run #2

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone ^a	0.0030	0.050	0.0028	mg/l	J
71-43-2	Benzene	ND	0.0020	0.00023		
75-27-4	Bromodichloromethane	ND	0.0020	0.00033	mg/l	
75-25-2	Bromoform	ND	0.0020	0.00065	mg/l	
108-90-7	Chlorobenzene	ND	0.0020	0.00054	mg/l	
75-00-3	Chloroethane	ND	0.0020	0.00046	mg/l	
67-66-3	Chloroform	ND	0.0020	0.00066	mg/l	
75-15-0	Carbon disulfide	ND	0.0020	0.00062	mg/l	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00052	mg/l	
75-34-3	1,1-Dichloroethane	ND	0.0020	0.00052	mg/l	
75-35-4	1,1-Dichloroethylene	ND	0.0020	0.00068	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0020	0.00053	mg/l	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00059		
124-48-1	Dibromochloromethane	ND	0.0020	0.00068		
156-59-2	cis-1,2-Dichloroethylene	ND	0.0020	0.00083		
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00059		
156-60-5	trans-1,2-Dichloroethylene	ND	0.0020	0.00075	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00061		
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
591-78-6	2-Hexanone	ND	0.010	0.0019	mg/l	
108-10-1	4-Methyl-2-pentanone	ND	0.010	0.0073	mg/l	
74-83-9	Methyl bromide	ND	0.0020	0.00047	U	
74-87-3	Methyl chloride	ND	0.0020	0.00060		
75-09-2	Methylene chloride	ND	0.0050	0.00067	mg/l	
78-93-3	Methyl ethyl ketone	ND	0.010	0.0030	mg/l	
100-42-5	Styrene	ND	0.0020	0.00050		
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00037		
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00046		
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00066		
127-18-4	Tetrachloroethylene	ND	0.0020	0.00074	_	
108-88-3	Toluene	ND	0.0020	0.00054		
79-01-6	Trichloroethylene	ND	0.0020	0.00063	mg/l	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

Page 2 of 2

Client Sample ID: TRIP BLANK

Lab Sample ID: Matrix:

Project:

T15771-3

Method:

AQ - Trip Blank Water

SW846 8260B 06-0035.003

Date Sampled: 12/20/06 Date Received: 12/21/06

Percent Solids: n/a

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4 1330-20-7	Vinyl chloride Xylene (total)	ND ND	0.0020 0.0060	0.00032 0.0011	mg/l mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	120% 113% 117% 112%		73-13 66-13 77-14 84-15	39% 18%	

(a) Suspected laboratory contaminant.

ND = Not detected

RL = Reporting Limit E = Indicates value exceeds calibration range

MDL - Method Detection Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank







Gulf Coast



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of CustodyLRC Form



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T15771: Chain of Custody Page 1 of 3





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JOB#: 18C

SAMPLE RECEIPT LOG

JOB#: <u>T15771</u>	DATE/TIME RECEIVED:	12/21/06/	10:15
CLIENT: IRC		INITIALS:	AR

Co	pdition	Nariance (Circle "Y" for yes and "N" for no or NA	. If "N" is circled, see variance for explanation):					
1.(Y) NL	Sample received in undamaged condition.	2. N Samples received within temp. range.					
3.	YXX A	Sample received in undamaged condition. Sample received with proper pH.	4. N -Sample received in proper containers.					
5.	M (2)	Sample volume sufficient for analysis.	6./Y N Sample received with chain of custody.					
7.(N N	Chain of Custody matches sample IDs and ana	llysis on containers.					
8.	N/X	Samples Headspace acceptable						
9 (9.(y N NA Custody seal received intact and tamper not evident on cooler.							
10	. Y N	(NA) Custody seal received intact and tamper no	t evident on bottles.					

10. Y N (NA Custod)									
SAMPLE or FIELD ID	BOTTLE#	DATE SA		MAT	RIX	VOLUME	LOCATION	PRESERV.	PH
<u> </u>	1	19	20	S(402.	VREF	1,2,3,4,5,6	U, <2, >12, NA
	2			SC		402.	10	1,2,3,4,5,6	U, <2, >12, NA
J	1-3			A	Q]	40ml	VREF	1(2,3,4,5,6	U, <2, >12, NA
2	45					AICOD	10	(1)2,3,4,5,6	(J) <2, >12, NA
2	6					150U	الم	1,2(8)4,5,6	U, 🔁 >12, NA
3	1-2	7	Α			40ml	VREF	123,4,5,6	U, <2, >12, NA
					61.			1,2,3,4,5,6	U, <2, >12, NA
			1_1	لد	10			1,2,3,4,5,6	U, <2, >12, NA
		N		10				1,2,3,4,5,6	U, <2, >12, NA
		\bigcup	,·····\ 					1,2,3,4,5,6	U, <2, >12, NA
			\leq					1,2,3,4,5,6	U, <2, >12, NA
								1,2,3,4,5,6	U, <2, >12, NA
								1,2,3,4,5,6	U, <2, >12, NA
								1,2,3,4,5,6	U, <2, >12, NA
								1,2,3,4,5,6	U, <2, >12, NA
								1,2,3,4,5,6	U, <2, >12, NA

LOCATION: WI: Walk-In VR: Volatile Refrig. SUB: Subcontract EF: Encore Freezer PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: Other

pH of waters checked excluding volatiles

Delivery method: Courier: Snap Snot

COOLER TEMP: 2.3 COOL

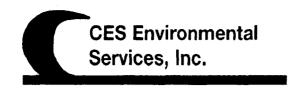
COOLER TEMP: COOLE

ACCUTEST LABORATORIES
CUSTODY SEAL
DATE / TIME SEALED: 12-20-4/.
ACCUTEST LABORATORIES
CUSTODY SEAL
CUSTODY SEAL
CUSTODY SEAL

T15771: Chain of Custody

Page 3 of 3

Vetro Gray 3009 Prot # 2009



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/16/2007

Dear Dustin Cambell

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2009

Generator: Vetco Gray

Address: 12221 N. Houston Rosslyn

Houston, TX 77086

Waste Information

Name of Waste: Drill cuttings TCEQ Waste Code #: 00013011

Container Type:

Detailed Description of Process Generating Waste:

Soil waste from drilling operations

Color: reddish brown/grey Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information				
Company:	Vetco Gray, Inc.				
Address:	12221 N. Houston Rossly	n Rd.			
City, State, Zip:	Houston, TX 77086				
Contact:	Dustin Campbell		Title:	HSE Coordinator	
Phone No:	(281) 878-4644		Fax No:	(281) 405-5644	
24/hr Phone:	(281) 744-0567			(201) 103 2011	
U.S. EPA I.D. No:	TXD060720505				
State I.D.	30299		SIC Code:	3533	
State 112.	30277		Sie coue.		
SECTION 2: Rilling	Information – 🔀 Same as	s Ahovo			
Company:	mormation - D Same a.	ADOVE			
Address:					
City, State, Zip:					
City, State, Zip		Title:			
Phone No:		Fax No:			
r none No:		Fax No:			
CECTION A					
SECTION 3: Gener	al Description of the Waste	2			
Name of Wester Duil	1.6				
Name of Waste: <u>Dril</u>		atar Cail wasta from d		••	
Detailed Description	of Process Generating Wa	ste: Soil waste from a	riining operatioi	<u>1S</u>	
Physical State:	Liquid S	Sludge	Powder		
i nysicai State.					
	⊠ Solid □ 1	Filter Cake	Combination		
Color: Reddish brown	<u>/grey</u> Odor: <u>n</u>	<u>one</u>			
Specific Curvity (was	name 1). AME . Down	sity: NA lbs/gal			
Specific Gravity (wat	er=1): <u>1\(1\) PC</u> Den	isity: 105/gai			
Layers:	Single-phase	☐ Multi-phase			
Layers.	⊠ Single-phase	Mutti-phase			
Container Type:	⊠ Drum □	Tote	Truck	Other (explain)	
Container Size:			Truck	Cther (explain)	
Container Size:	<u>55-gal.</u>				
Frequency:	☐ Weekly ☐	Monthly 🖂	Quarterly	☐ Yearly	
Number of Units (con		Other:	·	•.	
•	ode No: 00013011				
1 exas State waste Co	ode No: 00013011				
Proper U.S. DOT Shi	pping Name: Not DOT	Regulated			
Class:	UN/NA:	. 1 /	PG: ol	A RQ: 0//	,
Class: NA	011/11/24	NA	PG: _N	\underline{A} RQ: $\underline{\mathcal{N}}$	<u>t</u>
Flash Point	pH Reacti	ve Sulfides	Reactive Cy	anides Solids	
NA		mg/l	mg/l	100%	
Oil&Grease			opper	Nickel	
7 150cmg/l	21502mg/1 B	nc <u>PL</u> mg/l	L mg/l	BRL mg/l	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
soil cuttings from drilling activities	0-100	%
Oil and hydrocarbon contaminated soil removed from spill cleanup	0-100	- %
		%
		%
		%
		%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Accutest Analytical Report # T15771

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): known known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

Total Metals - As = 4.3, Ba = 115, Cd = 0.13, Cr = 14, Pb = 5.3, Hg = 0.00071, Se = 0.31, Ag = 0.11 (all in **TCLP Metals:**

mg/kg)

TCLP Volatiles: 8260 Volatiles all ND

TCLP Semi-Volatiles:

8270 Semi-Volatiles all ND

Reactivity:

Soil not reactive

Corrosivity:

Soil not corrosive

Ignitability:

Soil not ignitable

SECTION 9: Generator's Certification

The information contained herein is based on \square generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Date: Date:	
Printed Name/Title: Dustin L. Campbell - HSE Coordinator	÷ :
Ces use only (Do Not Write in this space) Compliance Officer: Approved Rejected Approved Number: #7009	

SECTION 10: Waste Receipt Classification Under 40 CFR 437	
Is this material a wastewater or wastewater sludge? YES NO	
If 'Yes', complete this section.	
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE O	CATEGORY, GO TO THE NEXT PAGE.
Metals Subcategory: Subpart A	
Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment	or phosphating operations
Oils Subcategory: Subpart B	
Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
Organics Subcategory: Subpart C	
Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources (1) If the waste contains oil and grease at or in excess of 100 mg/L, the	waste should be classified in the oils subcategory.
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the values listed below, the waste should be classified in the met.	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Conner: 4.9 mg/L	

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

| Metals Subcategory
| Oils Subcategory
| Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

⊘ vetco	VETCO GRAY INC. WESTERN REGION	Doc: WR-HSE-FM-4033a		
Anerco	Waste Classification Documentation Form	Rev 0 (10/05)	Page 1 of 1	

								j	Active: 🛛	Inactive	:: 🔲	
	:					RAL INFORMATION						
Waste Description:	Drill c	utting	s and s	oil from	clea	nups	Waste ID No: 00013011					
								Facility	ID No: 30299			
								Facility	: Vetco Gray,	Inc.		
								Date:	1/8/07			
		V. 189	45.5 5			CESS KNOWLEDGE		ingā i zi				
Full Description of Waste Stream Generation Activities:				minate		ted during monitor well s generated from site cl					ks of	
Chemicals/Material	s invo	ved	soil									
in the waste genera process:	ition											
Potential Contamin	ants:		VOCs	(none	detec	cted above action levels)					
MSDS Information	flash											
point, etc.) :												
	100/00		,		L DA	TA - SAMPLING PROC					<u> </u>	
Sample 1: Date(s):	2/20/06		Site/U Descr	nit iption((s):	Vetco Gray Facility, 12	2221 F	N. Housto	n Kossiyn Ka.	, Houston	, 1	
Sampling Methods Equipment:	and		Grab	,								
Sampling Techniqu (collection, contain preservation):	on,	Collection										
Rationale for Samp	ling Pla	an:	Sampl	*		and composited into o		nple.				
				DOC	CUME	ENTATION ATTACHED)					
Analytical Results:	\boxtimes	C-C)-C:		Ope	erating Procedure		Classif	ication Check	list:		
QC Data:	\boxtimes	MS	DS:		Mat	erial Specification						





P. BERTON BASE





12/29/06



Technical Report for

IRC Liability Management LP

06-0035.003

Accutest Job Number: T15771

Sampling Date: 12/20/06

Report to:

IRC North America LP

jay.suddath@irc-americas.com

ATTN: Jay Suddath

Total number of pages in report: 83





Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Ron Martino Laboratory Manager

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

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Sample Summary

IRC Liability Management LP

06-0035.003

Job No:

T15771

Sample Number	Collected Date	Time By	Received	Matr Code		Client Sample ID
T15771-1	12/20/06	15:45 JS	12/21/06	so	Soil	IDW-1S
T15771-2	12/20/06	16:05 JS	12/21/06	AQ	Water	IDW-1W
T15771-3	12/20/06	00:00 JS	12/21/06	AQ	Trip Blank Water	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.







SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: IRC Liability Management LP

Job No

T15771

Site:

06-0035.003

Report Date

12/29/2006 2:52:33 PM

2 Samples and 1 Trip Blank were collected on 12/20/2006 and were received at Accutest on 12/21/2006 properly preserved, at 2.3 Deg. C and intact. These Samples received an Accutest job number of T15771. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AO

Batch ID: VZ1425

- All samples were analyzed within the recommended method holding time.
- * All method blanks for this batch meet method specific criteria.
- * Sample(s) T15771-2MS, T15771-2MSD were used as the QC samples indicated.
- Sample(s) T15771-1 have surrogates outside control limits. Outside of control limits biased high. There were no target compounds associated with this surrogate
- T15771-3 for Acetone: Suspected laboratory contaminant.

Matrix SO

Batch ID: VY1066

** Sample(s) T15771-1MS, T15771-1MSD were used as the QC samples indicated.

4 of 83

Extractables by GCMS By Method SW846 8270C

Matrix AO

Batch ID: OP6831

- * All samples were extracted within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- Sample(s) T15737-11MS, T15737-11MSD were used as the QC samples indicated.
- * All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Benzoic Acid, Hexachlorocyclopentadiene are outside control limits. Since the recoveries are biased high, the results are acceptable.
- ** Matrix Spike Recovery(s) for 2,4,5-Trichlorophenol, 4-Nitrophenol, Benzoic Acid, Pentachlorophenol are outside control limits. Compounds outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 4-Nitrophenol, Benzoic Acid, Pentachlorophenol are outside control limits. Compounds outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene are outside control limits for sample OP6831-MSD. Probable cause due to sample homogeneity.

Matrix SO

Batch ID: OP6837

- * All samples were extracted within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- * All method blanks for this batch meet method specific criteria.
- ** Sample(s) T15758-3MS, T15758-3MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 4-Nitroaniline, Di-n-octyl phthalate are outside control limits. Since the recoveries are biased high, the data is acceptable.
- Matrix Spike Recovery(s) for 2,4,5-Trichlorophenol, 4-Nitrophenol, Benzoic acid, Hexachlorocyclopentadiene, Pentachlorophenol are outside control limits. Compounds outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 4-Nitrophenol, Benzoic acid, Hexachlorocyclopentadiene, Nitrobenzene, Pentachlorophenol are outside control limits. Compounds outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4,5-Trichlorophenol, 2,4-Dimethylphenol, 2-Nitrophenol, 4,6-Dinitro-o-cresol, Benzo(a)anthracene, Butyl benzyl phthalate, Carbazole, Di-n-octyl phthalate, Dimethyl phthalate, N-Nitrosodiphenylamine, Pyrene are outside control limits for sample OP6837-MSD. Probable cause due to sample homogeneity.

Metals By Method SW846 6010B

Matrix AQ

Batch ID: MP5608

- All samples were digested within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T15759-1DUP, T15759-1MS, T15759-1MSD, T15759-1SDL, T15759-1DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Silver are outside control limits for sample MP5608-D1. RPD acceptable due to low duplicate and sample concentrations.
- RPD(s) for Serial Dilution for Lead are outside control limits for sample MP5608-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).</p>

Matrix SO

Batch ID: MP5596

- * All samples were digested within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- * All method blanks for this batch meet method specific criteria.
- Sample(s) T15718-20DUP, T15718-20MS, T15718-20MSD, T15718-20SDL, T15718-20DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Selenium, Silver are outside control limits for sample MP5596-D1. RPD acceptable due to low duplicate and sample concentrations.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Silver, Lead are outside control limits for sample MP5596-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP5596-SD1 for Lead: Serial dilution indicates possible matrix interference.

Page 2 of 3

Metals By Method SW846 7470A

Matrix AQ

Batch ID: MP5605

- * All samples were digested within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- * All method blanks for this batch meet method specific criteria.
- * Sample(s) T15759-1MS, T15759-1MSD, T15759-1DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Mercury are outside control limits for sample MP5605-D1. RPD acceptable due to low duplicate and sample concentrations.

Metals By Method SW846 7471A

Matrix SO

Batch ID: MP5598

- * All samples were digested within the recommended method holding time.
- * All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- ** Sample(s) T15718-20DUP, T15718-20MS, T15718-20MSD were used as the QC samples for metals.
- Matrix Spike Duplicate Recovery(s) for Mercury are outside control limits. Probable cause due to matrix interference.

Wet Chemistry By Method EPA 160.3 M

Matrix SO

Batch ID: GN10952

Sample(s) T15758-7DUP, T15758-8DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used









Section 3



Sampl	e l	Resu	lts
-------	-----	------	-----

Report of Analysis



Client Sample ID: IDW-1S Lab Sample ID: T15771-1

Matrix: Method: SO - Soil

SW846 8260B

Date Sampled: 12/20/06 Date Received: 12/21/06

Percent Solids: 81.3

Project: 06-0035.003

File ID DF Analyzed Вy Prep Date Prep Batch Analytical Batch Y0008595.D 12/28/06 ZLH VY1066 Run #1 1 n/a n/a

Run #2

Initial Weight Final Volume

Run #1 5.04 g 5.0 ml

Run #2

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.061	0.0088	mg/kg	
71-43-2	Benzene	ND	0.0061	0.0017	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0061	0.0017	mg/kg	
75-25-2	Bromoform	ND	0.0061	0.0015	mg/kg	
108-90-7	Chlorobenzene	ND	0.0061	0.0017	mg/kg	
75-00-3	Chloroethane	ND	0.0061	0.0017	mg/kg	
67-66-3	Chloroform	ND	0.0061	0.0015	mg/kg	
75-15-0	Carbon disulfide	ND	0.012	0.0015	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0061	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0061	0.0016	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0061	0.0015	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0061	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0061	0.0018	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0061	0.0017	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0061	0.0017	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0061	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0061	0.0016	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0061	0.0016	mg/kg	
100-41-4	Ethylbenzene	ND	0.0061	0.0015	mg/kg	
591-78-6	2-Hexanone	ND	0.061	0.0083	mg/kg	
108-10-1	4-Methyl-2-pentanone	ND	0.061	0.0085	mg/kg	
74-83-9	Methyl bromide	ND	0.0061	0.0018	mg/kg	
74-87-3	Methyl chloride	ND	0.0061	0.0018	mg/kg	
75-09-2	Methylene chloride	ND	0.012	0.0030	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.061	0.0082	mg/kg	
100-42-5	Styrene	ND	0.0061	0.0015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0061	0.0015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0061	0.0018	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0061	0.0017	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0061	0.0016	mg/kg	
108-88-3	Toluene	ND	0.0061	0.0015	mg/kg	
79-01-6	Trichloroethylene	ND	0.0061	0.0016	mg/kg	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

Page 2 of 2

Client Sample ID: IDW-1S Lab Sample ID: T15771-1 Matrix: SO - Soil

Date Sampled: 12/20/06 Date Received: 12/21/06 Percent Solids: 81.3

Method: Project: SW846 8260B 06-0035.003

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4 1330-20-7	Vinyl chloride Xylene (total)	ND ND	0.0061 0.018	0.0017 0.0046	mg/kg mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
1868-53-7 2037-26-5 460-00-4 17060-07-0	Dibromofluoromethane Toluene-D8 4-Bromofluorobenzene 1,2-Dichloroethane-D4	103% 118% 173% ^a 104%		75-13 88-14 82-15 62-13	17% 54%	

(a) Outside of control limits biased high. There were no target compounds associated with this surrogate

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

Page 1 of 3

Analytical Batch

EH1146

Client Sample ID: IDW-1S Lab Sample ID: T15771-1

File ID

H19408.D

Matrix: Method: SO - Soil

SW846 8270C SW846 3550B

DF

1

Date Sampled: 12/20/06 Date Received: 12/21/06

Percent Solids: 81.3

Project:

06-0035.003

Prep Date Prep Batch Analyzed By 12/28/06 SC 12/26/06 OP6837

Run #1 Run #2

> Initial Weight Final Volume

Run #1 30.1 g

1.0 ml

Run #2

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1.0	1.0	mg/kg	
95-57-8	2-Chlorophenol	ND	0.20	0.040	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.057	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.037	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.066	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.0	0.057	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.41	0.099	mg/kg	
95-48-7	2-Methylphenol	ND	0.20	0.092	mg/kg	
	3&4-Methylphenol	ND	0.20	0.047	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.081	mg/kg	
100-02-7	4-Nitrophenol	ND	0.20	0.15	mg/kg	
87-86-5	Pentachlorophenol	ND	1.0	0.11	mg/kg	
108-95-2	Phenol	ND	0.20	0.065	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.083	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.057	mg/kg	
83-32-9	Acenaphthene	ND	0.20	0.052	mg/kg	
208-96-8	Acenaphthylene	ND	0.20	0.052	mg/kg	
120-12-7	Anthracene	ND	0.20	0.060	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.20	0.052	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.052	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.083	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.20	0.045	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.20	0.087	mg/kg	
100-51-6	Benzyl Alcohol	ND	0.20	0.069	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.20	0.063	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.059	mg/kg	
86-74-8	Carbazole	ND	0.20	0.058	mg/kg	
218-01-9	Chrysene	ND	0.20	0.079	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.20	0.056	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.20	0.055	mg/kg	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Client Sample ID: IDW-1S T15771-1 Lab Sample ID:

Matrix: Method: SO - Soil

SW846 8270C SW846 3550B

Date Sampled: 12/20/06 Date Received: 12/21/06

Percent Solids: 81.3

Project: 06-0035.003

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.20	0.083	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.20	0.042	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.20	0.085	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.20	0.038	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.20	0.048	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.20	0.061	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.20	0.056	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.41	0.099	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.075	mg/kg	
132-64-9	Dibenzofuran	ND	0.20	0.041	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.20	0.054	mg/kg	
117-84-0	Di-n-octyl phthalate	ND ·	0.20	0.074	mg/kg	
84-66-2	Diethyl phthalate	ND	0.20	0.048	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.20	0.048	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.20	0.13	mg/kg	
206-44-0	Fluoranthene	ND	0.20	0.046	mg/kg	
86-73-7	Fluorene	ND	0.20	0.045	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.20	0.058	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.20	0.073	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.20	0.071	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.059	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.081	mg/kg	
78-59-1	Isophorone	ND	0.20	0.052	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.20	0.045	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.086	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.053	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.20	mg/kg	
91-20-3	Naphthalene	ND	0.20	0.035	mg/kg	
98-95-3	Nitrobenzene	ND	0.20	0.061	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.20	0.093	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.085	mg/kg	
85-01-8	Phenanthrene	ND	0.20	0.044	mg/kg	
129-00-0	Pyrene	ND	0.20	0.090	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.050	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
367-12-4	2-Fluorophenol	86%		26-12	24%	
4165-62-2	Phenol-d5	88%		28-11		
118-79-6	2,4,6-Tribromophenol	80%		26-13	34%	

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit E = Indicates value exceeds calibration range J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Accutest Laboratories

Report of Analysis

Page 3 of 3

Client Sample ID: IDW-1S

Lab Sample ID: Matrix:

Method:

Project:

T15771-1 SO - Soil

06-0035.003

SW846 8270C SW846 3550B

Date Sampled: 12/20/06 Date Received: 12/21/06

Percent Solids: 81.3

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0 321-60-8	Nitrobenzene-d5 2-Fluorobiphenyl	90% 99%		27-117% 24-113%
1718-51-0	Terphenyl-d14	108%		37-147%

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Accutest Laboratories

Report of Analysis

Page 1 of 1

Client Sample ID: IDW-1S Lab Sample ID:

T15771-1 SO - Soil

Date Sampled: 12/20/06

Project:

Matrix:

06-0035.003

Date Received: 12/21/06 Percent Solids: 81.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	4.3	1.1	0.19	mg/kg	1	12/21/06	12/26/06 NS	SW846 6010B ²	SW846 3050B ³
Barium	115	23	0.29	mg/kg	1	12/21/06	12/26/06 NS	SW846 6010B ²	SW846 3050B ³
Cadmium	0.13 B	0.57	0.034	mg/kg	1	12/21/06	12/26/06 NS	SW846 6010B ²	SW846 3050B ³
Chromium	14.0	1.1	0.10	mg/kg	1	12/21/06	12/26/06 NS	SW846 6010B ²	SW846 3050B ³
Lead	5.3	1.1	0.14	mg/kg	1	12/21/06	12/26/06 NS	SW846 6010B ²	SW846 3050B ³
Mercury	0.00071 U	0.018	0.00071	mg/kg	1	12/26/06	12/26/06 NS	SW846 7471A ¹	SW846 7471A ⁴
Selenium	0.31 U	1.1	0.31	mg/kg	1	12/21/06	12/26/06 NS	SW846 6010B ²	SW846 3050B ³
Silver	0.11 U	1.1	0.11	mg/kg	1	12/21/06	12/26/06 NS	SW846 6010B ²	SW846 3050B ³

(1) Instrument QC Batch: MA2721 (2) Instrument QC Batch: MA2723 (3) Prep QC Batch: MP5596

(4) Prep QC Batch: MP5598

RL = Reporting LimitMDL = Method Detection Limit U = Indicates a result < MDL

B = Indicates a result > = MDL but < RL









Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form



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T15771: Chain of Custody Page 1 of 3

EPAHO105001629

24 of 8			

T15771: Chain of Custody
Page 2 of 3

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LOCATION: WI: Walk-I	n VR: Volatile Ref	frig. SUB	Subcont	ract EF	: Enco	re Freezer	<u> </u>		

pH of waters checked exc	luding volatiles
pH of soils N/A	

Delivery method: Courier: Snap Snot

COOLER TEMP: 2.3

COOLER TEMP:

COOLER TEMP:

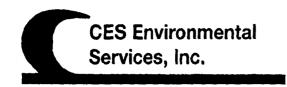
Form: SM012, Rev.07/28/06, QAO

41674

T15771: Chain of Custody

Page 3 of 3

Entenphise Pipeline 2010 Prof# 2010



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/16/2007

Dear Cornine Anderson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2010

Generator: Enterprise Pipeline - Brenham Station

Address: 9800 Oil Field Road

Brenham, TX 77833

Waste Information

Name of Waste: Oil and water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Removal of oil and water from natural gas compressor stations.

Color: dark

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: oxidizers

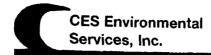
Safety Related Data/Special Handling:

standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676 #2010

http://www.cesenvironmental.com

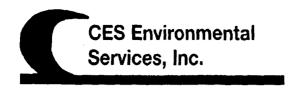
TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

	ator Information			
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City, State, Zip :	BEENLAN	Tx 77833		
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24 / HR Phone :				30 0 30
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SECTION 2: Billing Company:	Enterprise Rod	Jucha		
Address :	1100 West PA	TE ONE DIVE	·	
City, State, Zip:	Drawing Lx	<u>. "17478</u>		
Contact :			itle: OFFice	Acsichant
Phone No :	281-240-5100		ax: 581-511	U-3529
SECTION 3: General	Description of the Waste	novel atoiland war	ter from natural	gas compressor Stn
Name of Waste :	Lace Luch 1:3	er windore	1 50 100 200	ges company siz sin
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Physical State :	🔀 Liquid			
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Color : Specific Gravity (V Layers : Container Type : [Container Size :	Solid DARK Vater=1): Single-Phase Drum Tote	Filter Cake Comb Odor: Density: Multi-Phase Truck Of	ination Hudroca 8.34	
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Color: Specific Gravity (V Layers: Container Type: Container Size: Number Of Units: Texas State Waste Proper U.S. State V Class:	Solid DATE Vater=1): Single-Phase Tote Code No: Vaste Code No: UN/NA: DH	Odor: Density: Multi-Phase Truck Odor PG:	ther (explain) Reactive Cyanides	Ibs / gal Lungare Mindurg RQ: NA Solids
Color: Specific Gravity (V Layers: Container Type: Container Size: Number Of Units: Texas State Waste Proper U.S. State V Class:	Solid DATE Vater=1): Single-Phase Tote Code No: Vaste Code No: UN/NA: UN/NA:	Filter Cake Comb Odor: Density: Multi-Phase Truck Of	ther (explain)	Ibs / gal L WATER MINTURE RQ: NA

		A Section 1995				and the second
SECTION 4: Physical and Cl			1 4 m 1 mm			
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WAter		85.45	%			
Dint SAND		1- 5				
SECTION 5: Safety Related D						
If the handling of this was	ste requires the u	se of special prot	ective equi	oment, please expl	ain.	
5tandar 2	FRE					
SECTION 6: Attached Support	rting Documents					
List all documents, notes,		 lysis attached to	this form as	nart of the waste :	annroval nackage	
				river to		
SECTION 7: Incompatibilities						
Please list all incompatibil	lities (if any):					
Oxidizer	>					
SECTION 8: Generator's Know Laboratory analysis of the generators knowledge TCLP Metals:			listed belov	v, WAS NOT PERFO	DRMED based upon the fo	llowing
TCLP Volatilies :						
TCLP Semi-Volatiles : 🗙						
Reactivity :						
Corrosivity:						
gnitability : 🧡						
SECTION 9: Generator's Certiful Fine information contained above and attached descripted in the materials to	herein is based option is complete ons of compositi	and accurate to on properties exi	the best of st and that	my knowledge and all known or suspe	ability to determine that neted hazards have been d	10
Authorized Signature :	NA			Date :	1-16-07	
Printed Name / Title :				e sauce = 11000	·	
CES USE ONLY (DO NOT	_		a talah dalam sa magamat sagaran ayak da Alba Alba sa ayan a	Special	Pricing / Analytical Info:	
Compliance Officer :	Johnson O	handu				
Date: 1-16-07	Status :	Approved	Rejected	Reco	mmended Treatment:	•
Approval Number :	010	Commence of the second			REC	: ;
2	UIU					

SECT	FION 10: Waste Receipt Classification Under 40 CFR 437
Is thi	s material a wastewater or wastewater sludge? YES X NO
If 'YE	S', complete this section
PLE	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
	Is Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
[Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
V	Used oils
·	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
[;	_Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Orgar	nics Subcategory Subpart C
	Landfill leachate
:	Contaminated groundwater clean-up from non-petroleum sources
$\{ \cdot \}$	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
£ 1	Byproduct waste glycol
[]:	Wastewater from paint washes
[]	Wastewater from adhesive and/or epoxies formulation
[];	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources

Enteaphiae Ospeline 2011 Aug #= 2011



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/16/2007

Dear Cornine Anderson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2011

Generator: Enterprise Pipeline - Cat Springs Ststion **Address:** s of Bellville hwy 36, w fm949, 5 miles

Bellville, TX 77418

Waste Information

Name of Waste: Oil and water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Removal of oil and water from natural gas compressor stations

Color: dark

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

Fax: (713) 676-1676

2011

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

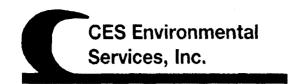
ISWR No: 30900

SECTION 1: Gener	ator Information	·			
Company :	Enterorise	Jeminole	Piosline (a	to some t	/. c: ka
Address :	South of BE	MVILE ON HOW	136 July US	ret on cim o	
City, State, Zip :	Bellville	7x -	17 418	Car by	149 90 5 miles
Contact :	Vincent	DESAlvo	Title:		And and the state of the state
Phone No:	979-86	5-9479	Fax :		And the state of t
24 / HR Phone :	5A~~E			and the state of t	
U.S EPA I.D No:	~/N				
State I.D :	MA		SIC Co	de NA	
	•				
SECTION 2: Billing	Information				
Company :	Enterprise	Roduche			
Address :	1125 Wes	L FACE ON	E DIVE		
City, State, Zip :	SUGARIAND		1478		**************************************
Contact:	Corinine	Anderson	Title :	office p	recipionet
Phone No:	5-81-540.	5100	Fax:	281- 2110	> 3529
SECTION 3: Ganara	l Docovintion of the Ma	an Dominical of	il water		gas Compressor State
Name of Waste :	Description of the wa	iste iconord of	- or and cover.	from neutral g	jos comprendos sos
Transco.	To the time:	(138.16) 15.4°	* 4516		
Physical State :	∑ Liquid ☐ Solid	Sludge Filter Cake	Powder	า	
Color:	DAR		Odor :	Hydrocar	-60-
Specific Gravity (V	Vater=1):	1	Density :	8.34	lbs / gal
Layers :	Single-Phase	X Multi-Phase			
Container Type:	Drum []	Tote 🗷 . 1	Γruck ☐ Other (ε	explain)	
Container Size :		7.0	200 94		
Number Of Units:	1				
Texas State Waste	Code No :	lecycle	·		
Proper U.S. State V			Reculrate	bua 1:0 5	water mature
Class :		A: WA	PG: ")		RQ: NA
Flash Point		•	1	active Cyanides	Solids
>500	3-1	1	/∖ ├ mg/l	₩ mg/l	0-2 %
Oil and Greas	mg/l TO	c ,	Zinc	Çopper	Nickel

SECTION 4: Physical and Chemical Data		and the second of the second o
Comperssor Oil	5.15	10/10
WALEE	85-95	6
Dirt SAND	1 - 2	%
SECTION 5: Safety Related Data		
If the handling of this waste requires the use	of special prote	ective equipment, please explain.
standard PRE		
SECTION 6: Attached Supporting Documents	_	
List all documents, notes, data, and/or analy	sis attached to t	this form as part of the waste approval package.
NONE . Chle-D-	Text Text	prior to shipment
SECTION 7: Incompatibilities		
Please list all incompatibilities (if any):		
Oxidizers		
SECTION 8: Generator's Knowledge Documentatio	on	
aboratory analysis of the hazardous waste c generators knowledge	characteristics,	listed below, WAS NOT PERFORMED based upon the following
ΓCLP Metals : χ		
「CLP Volatilies: ★		
CLP Semi-Volatiles : χ		
Reactivity:		
Corrosivity: 🐰		
gnitability : ECTION 9: Generator's Certification		
he information contained herein is based on bove and attached description is complete a	and accurate to a properties exis	knowledge and/or analytical data. I hereby cerity that the the best of my knowledge and ability to determine that no st and that all known or suspected hazards have been disclose terials described by this document.
Authorized Signature :	VA	Date :
Printed Name / Title :		
CES USE ONLY (DO NOT WRITE IN THIS SPA		Special Pricing / Analytical Info:
Compliance Officer : Polihami	Marga	
Date: $1-16-07$ Status: (A	Approved	Rejected Recommended Treatment:
Approval Number: 201)		REC

SECT	ON 10: Waste Receipt Classification Under 40 CFR 437
Is thi	s material a wastewater or wastewater sludge ? YES X NO
If 'YE	S', complete this section
PLE	ASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
	Is Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phospha Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water
	Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation wastes Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Organ	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bering wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

3012 that Houston - Air post systems Part # 2012 X 8 409 8 409 134



Waste Pre-Acceptance/Approval Letter

Date 1/17/2007

Dear Tabitha

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2012

Generator: City of Houston - Airport Systems

Address: P.O. Box 60106

Houston, TX 77205

Waste Information

Name of Waste: Water w/glycol TCEQ Waste Code #: CESQ1412

Container Type:

Detailed Description of Process Generating Waste:

Deicing airplanes

Color: light green

Odor: glycol like

pH: Neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Jan. 17. 2007 1:59PM

No. 1598 P. 2

2012

SECTION 1: Gener			*	
Company: Address:	P.O. BOX	USTON - AIRPORT	CMZIGAC	
City, State, Zip:	HOUSTON . T			
Costact:	Jim PARISE		Title:	
Phone No:	281-233-1			281-233-1907
24/hr Phone:	- Eddin - Eddin			
U.S. EPA LD. No:	TXCESQG			
State LD.	CESQG		SIC Code:	
SECTION 2: Billin	g Information 🔲	Same as Above		
Company:	ENGLE CONS	FREETION + ENV	RODINENTAL	Select Envl
Address:	1700 NORTH	6 STREET		3
City, State, Zip:	LA CORTE TY		Kevin	White
Contact:	TABLE HA PAC			- COORDINATOR
Phone No:	297-867-913			7-9150
_				
SECTION 3: Gents	cal Description of th	e Waste		
	•	•		
Name of Waste:	Douber wildly on the control of Process General	col ling Waste: <u>De</u> icin	q airplane	.5
Walter and the Control of the Contro	(to) = 1		Powder	
Physical State:	∐iquid	Sludge		
	Solid Solid	☐ Filter Cake	Combination	
Cotor: light gr		odor: glyed like		
Specific Gravity (w	eter-1): 1-1-01	Density: 8.5 lbs/g	al	•
Layers:	Single-phase	Multi-phase		
Cantalana Roma	🗀 Drum	☐ Tote	Truck	Other (explain)
Container Type:	□ Drum	T TOTE		C Order (exhaun)
Container Size:			5000	
•				
Ггедиелсу:	☑ Weekly	Monthly	Quarterly	☐ Yearly
Number of Units (e		Other:		-
Taxas State Waste				
		COLUMN C	501412	
Proper U.S. DOT S	pibbist Mame:	Water conta	leu latanima	glycol
Clase: NA	UN/N		D/7.	100 10
147/	#4V4V	NA		VA RQ: NA
Flash Point	pH ole for	Reactive Sulfides	Reactive Cy	anides Solids
<u> </u>	101000	∠75mg/l	220 mg/l	0 %
Olld-Grease	TOC mg/l	Zinc	Copper	Nickel
NA mg/l	NA me/l	U me/l		_O_mg/l

Jan. 17. 2007 2:00PM

No. 1598 P. 3

SECTION 4: Physical and Chemical Data

		#####
The waste consists of the following materials	Ranges are acceptable	DT %
Water		50
Water Glycol		50

Water	50
Glycol	.50
SECTION 5: Safety Related Data	
If the handling of this waste requires the use of special protective equipment, please ex	xplain.
— Standard	
SECTION 6: Attached Supporting Documents	
List all documents, notes, data, and/or analysis attached to this form as part of the wa	ste approval package.
- MSDS	
SECTION 7: Incompatibilities	
Please list all incompatibilities (if any):	
- None	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT P generator knowledge:	ERFORMED based upon the following
TCLP Metale: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:	
TCLP Semi-Volatiles:	•
Reactivity:	
Corrosivity:	
SECTION 9: Generator's Cartification	
The information contained herein is based on 🔀 generator knowledge and/or 🗀 analytic	nl data. I haraby cartify that the character
attached description is complete and accurate to the best of my knowledge and ability omissions of composition properties exist and that all known or suspected hazards have tested are representative of all materials described by this document.	to determine that no deliberate or willfi
_ ^	Pate: 1/17/07
_	•
Printed Name/Title: TAPATHA PACHECO , DISPOSAL COORDINAT	OR
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Palhan Thy Additional Information	ra;
Date: 1-17-07 (Approved) Rejected	
Approval Number: 2012	

Jan. 17. 2007 2:00PM

No. 1598 P. 4

STA	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is t	his material a wastewater or wastewater sludge? 📈 YES 🔲 NO
if."	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Mete	ls Subcategory: Subpart A
	Spent electroplating baths and/or studges Metal finishing rinse water and studges Chromate wastes Air pollution control blow down water and studges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils.	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from patroleum sources Used petroleum products Oil spill clean-up Bilge water Rinae/wash waters from petroleum sources Interceptor wastes Off-specification facils Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing point washes
Orga	nics Subcutezory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

Jan. 17. 2007 2:00PM

- No. 1598 P. 5
- (1) If the wasse contains oil and grosse at of in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the wasts contains oil and greass less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Codmium: 0.2 mg/L Chronium: 8.9 mg/L Coppur: 4.9 mg/L

- Manue 37.5 me/L HALL 17.5 mg/L

 If the wasse contains oil and grease less than 100 mg/L and does not have concentrations of car

 nickel above any of the values listed above, the waste should be classified in the organics subout
- SCHOOLI: Additional land output

If you cannot determine the correct subcategory in Section 9 and you did not farming date for the concentration of concentration. Copper, Nickel, and Oil and Greate, will send office to a commercial interactory a sample to determine the copy of the analysis.

The generator will be responsible for the cost of the analysis.

, A.



MATERIAL SAFETY DATA SHEET

0100EG

07/19/2006 Rev E (Revised Sect 11)

Octagon Process Inc Edison, NJ 08837

Page 2 of 5



MATERIAL SAFETY DATA SHEET

0100EG

Octagon Process Inc Edison, NJ 08837 Page 3 of 5

07/19/2006 Rev E (Revised Sect 11)



MATERIAL SAFETY DATA SHEET

0100EG

Page 4 of 5

07/19/2006 Rev E (Revised Sect 11)

Octagon Process Inc Edison, NJ 08837

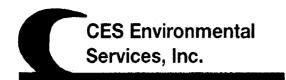


MATERIAL SAFETY DAT	A DHE.	L I
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0100EG

07/19/2006 Rev E (Revised Sect 11) Octagon Process Inc Edison, NJ 08837

Page 5 of 5



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/8/2007

Dear Traci Fisher

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1988

Generator: Economy Polymers Address: 435 E Anderson

Houston, TX 77047

Waste Information

Name of Waste: Surfactant RA-40 TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

Unused/out-of-date material

Color: white to pale yellow Odor: fatty alcohol odor pH: na

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

(THU) JAN 4 2007 4:03/ST. 3:57/No. 6802463056 P 1

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461

ISWR No: 30900



SECTION 1: Gen	erator Information	_		
Company:	Econom	in Polumers		
Address:			· · · · · · · · · · · · · · · · · · ·	
City, State, Zip:		deason T		
. •	#SO PARSO		Title:	
Contact:		androa/		
Phone No:	- والمال عمالا	8916	Pax No:	
24/hr Phoлe:			_ _	
U.S. EPA I.D. No:	MP TYCS	100		. ^
State LD.	NUX CC	5000	SIC Code:	NA
				1) 5) 4 4 dd 4 dd 4 dd 4 dd 4 dd 4 dd 4 d
	ng Information -			
Company:		lices		
Address:	MOJOJIHO	reatquot		
City, State, Zip:	\overline{w}		کا	
Contact:	Inocivish	Title:		mar.
Phone No:	936,483.30	Fax No.	- 584-483	367
SECTION 3: Gen	cral Description of th	o Wasto		
SECTION S. COL				
Nume of Waste:	ucfactant	RAYO	م ا ا ا م	1 100-0100-1
Detailed Description	on of Process General	COLICY : strew gnit	64/50+Of	date material
Physical State:	L iquid	☐ Sludge	Powder	
1 11/10-10-1	= :	Filter Cake	Combination	
	Solid Solid	☐ FINCE CARE	Combination	
color: White	torgie	ounr: Softy'alco	shol Odor	
	yellow			
Specific Gravity (v	rater=1):	Denaity: A lbs/g	ul	
Threme army (/ Carrier - 1/1 / Apple - 1	24		
Layers:	Single-phase	Multi-phase	:	
	1		•	
Container Type:	Drum	☐ Tote	☐ Truck	Other (explain)
	4 55		— ••••••	
Container Size:	2			
Tennin Aut	Markly	Monthly Monthly	Quarterly	∇eurly
Frequency:	□ Meerly		C Canada	
Number of Units (costainers):	Other:		
Texas State Waste	Code No:	5560000	1	
		ESQ 214/		
Proper U.S. DOT	ombbiet anuei	Nm - Rin	A, Non DOT B	egulated Organic Wanids
Class: A. A	UN/N		PG: 17 1	
Class: NA	•	NA	N	RQ: NA
Plash Point	PH (Reactive Sulfidea	Reactive Cyar	Ildea Solida
A S. E	MAA	Day	Ø mg/l	25%
OllAGreuse		Zinc	Conner	
mg/l	TOC.	Ø mg/l	Copper mg/t	Mickel mg/l
			11.00	

(THU) JAN 4 2007 4:03/ST. 3:57/No. 6802463056 P 2

The wage	COMPANIES CELEVADOR	Concentration	Belli
- 55 17 17 17 17 17 17 17 17 17 17 17 17 17	consists of the following materials	Ranges are acceptuble	05 %
Polyoxyalkyen	e CID-CID Ether	100	0/5
SECTION 5: Safety Rola	ted Data		
	ac requires the use of special protoctive equip	penent, please explain.	
SECTION 6: Attached Su	apporting Documents		
	data, and/or analysis attached to this form a	s part of the waste approval packa	ige.
SECTION 7: Incompatib	ilities		
Please list all incompatibil	ides (if any):		
SECTION R. Generator's	Knowledge Documentation		
		hal a 5 alous connent and a	d mor the f
Laboratory analysis of the generator knowledge:	: huzardous wasse characteristics, listed belo	w, was not performed bea	ed aboy 196 ti
generator knowledge:		w, was not performed by	ed albon and t
generator knowledge:		w, was not performed by	eo apon ine ti
generator knowledge:	c huzardous waste characteristics, listed below	w, was not performed by	eg upon tac (r

•	_
The information contained herein is based on 🔼 generator knowledge	and/or analytical data. Thereby certify that the above unv
And miles and an arrangement of the second o	The state of the s
attached description is complete and accurate to the best of my kind	
omissions of composition properties exist and that all known or exsp	octed hazards have been disclosed. I certify that the material:
toriod are representative of all materials described by this document.	
• / /	1 /
Authorized Signature:	Date: K/M/d6

·	
CREUSE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Lable Change	Additional Information:
Dute: 1-5-07 Approved Rejected	<u> </u>
Approval Number: 1988	

Mckant

(THU) JAN 4 2007 4:03/ST. 3:57/No. 6802463056 P 3

. <u>Ş</u> ı	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this nunterial a wattewater of wastewater shidge? TYES NO .
ΙŢ	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meu	als Subsections: Subpart A
	Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Includition wastewaters Waste liquid mercury. Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplasing or phosphating operations Vibratory debutting wastewater Alkuline and acid solutions used to clean their) parts or equipment
<u>Oik</u>	Subcaterory: Subpan B
	Used oils Oil-water cinulatons or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Orga	vilcs Subcategory: Subpart C
	Landfill leachete Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still benoms Byproduct waste glycol Wastewater from paint withes Wistewater from adhesives and/or epoxies formulation. Wastewater from organic chemical product operations Tank clean-out from organic non-occupions sources

FROM

(THU) JAN 4 2007 4:03/ST. 3:57/No. 8802463056 P

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the wante contains oil and grease less than IOO mg/L, and has my of the pollmants listed below in concentrations in excess of the values fixed below, the water should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(1) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory,

Metals Subcategory

Olls Subcategory

Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease. CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to accuptance. The generator will be responsible for the cost of the analysis.

ATTNI DR. MANNING CHOUDHARI - ECONOMY .

Classin Class 2 wm

MATERIAL SAFETY DATA SHEET

SURFACTANT RA-40

Revision Date: 01/10/2003

Telephone number: 708-226-3166

** FOR CHEMICAL EMERGENCY CALL: 706-226-3166 or 706-531-7130 **

Manufacturer: SRI TECHNOLOGIES Address: 2114 Chatham Drive, Dalton, GA 30720

| HMIS RATINGS | HEALTH: 1 | PLANGABILITY: 1 | REACTIVITY: 0 | PP: 8 |

SECTION I-PRODUCT INFORMATION

Chemical Name: Polyoxyalkylene C12-C16 Ether

Chemical Family: Surfactants

CAS Mumber: None Formula: Not available

DOT Hazard Class: Not regulated

DOT Proper Shipping Name: Not regulated

SECTION II-PHISICAL DATA

Boiling Point: No data Specific Gravity (B2 >=1): 0.985

Vapor Prossure (mang): No data Vapor Density (a) r=1); > 1 Water Solubility: Dispersible pff: No data

Evaporation Rate (other=1): < 1

A Volatiles (by weight @ 110 C.); No data

Appearance and Odor: Water white to pale yellow liquid with a mild fatty

alcohol odor.

SECTION III-HARARDOUS INTREDIMITS

TLV_(Units) Hazarda Polyoxyelkyene C12-C16 Ether None Irritant

* Additional information will be provided in a medical emergency to qualified medical personnal.

SECTION IV-FIRE AND METPLOSION MAKARD DATE.

Plank Point (COC): 482 dagrees F.

Plannable Limits: No data

SURFACTANT RA-40 PAGE 1

14 MASE: II 9002 91 '674

PROM : SUN-CHEM INTERNATIONAL, INC. PHONE NO. : 4232679636

SRI TECHNOLOGIES

SECTION IV-FIRE AND EXPLOSION MAZARO DATA (Continued)

Extinguishing Media: Water apray, foem, CO2, dry chemical.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus to avoid fumes. Cool exposed containers with water spray.

Fire and Explosion Masards: None known.

SECTION V-HEALTH HARARD DATA

Threshold Limit Value (TLV) for the Product: None established.

Does Product Contain OSHA, MTP or IARC Carcinogens above 0.14? No.

FIRST AID

EXRA: Flush thoroughly with running water for at least 15 minutes. Get medical attention.

Remove contaminated clothing and wash exposed skin with soap and water. See a doctor if irritation develops.

INHALATICM: Move to fresh air.

INCRESTICA: Do not induce vomiting. If victim is conscious and able to swallow, quickly give milk or water to dilute the mater:al. Do not give sodium bicarbonate, vinegar, or fruit juices. Never give anything by mouth if victim is unconscious or having convulsions. Get medical attention.

NATURE OF BALARD (PEYSICAL EFFECTS):

ETES: Can cause eye irritation, radness, stinging, excess: ve watering.

SETM: Overexposure can cause itching and redness similar to a rash.

INHALATION: Exposure to mist or spray can irritate respiratory passages.

INCESTION: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

ACUTE OVEREXPOSURE: Mild irritation to exposed areas.

CHROSIC OVEREXPOSURE: No data available for chronic effects.

SURFACTANT RA-40

Ed Walet: 11 5002 91 '6mH

FROM : SUN-CHEM INTERNATIONAL, INC. PHONE NO. : 4232679638

FROM : SUN-CHEM INTERNATIONAL, INC. PHONE NO. : 4232679630

Aug. 16 2006 11:40PM P3

SRI TECHNOLOGIES

TOXICITY DATA

אמים מסווים ארוואסיים באוואסיים מיים באווים איים באווים איים באווים או

to the second se

IMMALATICH:

No toxicity data available. Breathing sprays or mists are expected to be irritating.

INGESTICE:

No oral toxicity data. Oral toxicity is expected to be low to moderate.

Special Precautions: Avoid eye and skin contact.

KEPERKELS

SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, Ninth Edition, Richard J. Lewis Sr., Van Nostrand Reinhold, (1996).

MATERIAL SAFETY DATA SHEETS from raw material suppliers.

SECTION VI-REACTIVITY DATA

Stable X Unstable Stability:

Conditions to avoid: None known.

Incompatibility (Materials to Avoid): Strong oxidizers.

Hazardous Decomposition Products: Thermal degradation can produce toxic fumes including carbon monoxide and carbon dioxide.

Harardons Polymerisation: Nay occur Will Not Occur X

SURFACTANT RA-40 PAGE 3

SRI TECHNOLOGIES

SECTION VII-SPILL OR LEAK PROCEDURES

X_Stop flow and contain	_XSkin protection
spill by diking, sand	(as per Section V:II)
bags, etc.	X Absorb on inert material
_Eliminate all ignition	scrape up or shovel into
sources.	drums.
Respiratory Protection	Vacuum up.
(as per Section VIII)	
Incinerate under	Neutralize
controlled conditions	
Incinerate using afterburner	Flush to sewer with water
and scrubber	(small residues only)
send to hezardous waste	X Observe federal spill and
facility	water quality regulations
-	

SECTION VIII-SPECIAL PROTECTION INFORMATION

AIR EXPOSURE		gas, fumes, mists	SPECIAL THERMAL,
RECOMMENDATIONS	NORMAL USE	EXCEED TLY	SPRAY APPLICATIONS
General ventilation	OK	Not recommende	dNot recommended
Local Exhaust	OK	Not recommende	dNot recommended
Respiratory Pro-			
tection (Code 1-4) 1	3	3

Codes for Respiratory Protection:

- 1. None Needed
- 2. Particle-removing, air purifying respirator (dust mask)
- 3. Gas and vapor-removing, wir purifying respirator (Canister)
- 4. Full face, positive pressure-demand type (air supplied)

EXE PROTECTION: OSHA-approved safety glasses with sideshields or goggles.

PROTECTIVE GLOVES: Any impervious type gloves.

OTHER PROTECTIVE EQUIPMENT: Safety shower and eyewash station.

SURFACTANT RA-40

PH 9- 16 2005 11:41PM PA

INC. PHONE NO.: 4232679630

FROM : SUN-CHEM INTERNATIONAL, INC.

SRI TECHNOLOGIES

SECTION IX-SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Wear eye ind skin protection. store in a dry, cool area. Keep container closed when not in use. Properly dispose of empty containers.

SECTION X-MISCELLAMBOUS

Is product RCRA regulated? No.

are all ingredients listed in the TSCA inventory? Yes.

Ingredients regulated by the Clean Air Act or the Clean Witer Act: None.

ENVIRONMENTAL EFFECTS: No date available.

SARA Classification for product: Acute hazard

: SARA TITLE III, SECTION 313 CHEMICALS: None :

COMMUNITS: None.

ISSUE DATE: 11/08/2000. REVISION: 01/10/2003. SUPERCEDES: 12/07/2001.

REASON FOR REVISION: Emergency phone number and address updated.

MEDS #: 900568. Replaces # 00-0171.

COMPANY CONTACTE: Vinai Srivastava

SURFACTANT RA-40

FROM : SUN-CHEM INTERNATIONAL, INC. AHONE NO. : 4232679638 ALS 2006 11:41PM PS

A ... 1 ...

SRI TECHNOLOGIES

The information given and the recommendations made hereis apply to our product(s) alone and not in combination with any other products. Such information and recommendations are based on and TECHNOLOGIES research and on data from other reliable sources and are believed to be accurate, but no guaranty of their accuracy is made. In every case we urgs and recommend that purchasers, before using any product, make their own tests to verify this data under their own operating conditions and determine to their own satisfaction whether the product is suitable for their particular purposes. THE PRODUCT IS DISCUSSED MERGIN AND SOLD WITHOUT ANY MARGANTY AS TO

MERCHANTANILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY, REPRESSED OR IMPLIED.

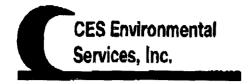
This form meets the requirements of OSEA 29CFR 19:,0,1200

SURFACTANT RA-40

9d Wd2v:II 9002 9I '6nH

FROM : SUN-CHEM INTERNATIONAL, INC. PHONE NO. : 4232679630

Date

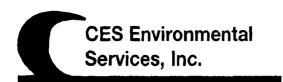


4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Waste Profile Re-Certification Form

CES Waste Approval #:	HOU-1988	
Customer:	Economy Polym	<u>ners</u>
Waste Generator:	Economy Polym	ners
Waste Stream Name:	Surfactant RA-4	<u>o</u>
Expiration Date:	<u>1/5/2009</u>	
As per our waste analysis plan, CES Environmental Services, Inc. requires recertification of all approved waste profiles on an annual basis. The purpose of this form is to confirm that no changes have been made in the generation process of the aforementioned waste stream and that the waste stream remains classified as non-hazardous as per 40 CFR 261.3.		
Generator hereby certifies that the components in the aforementioned waste stream and the process generating this waste stream remain the same as when issued the aforementioned CES Waste Approval Number: (Check Appropriate Box)		
☐ No changes, please recen	τify.	Analysis is NOT required for recertification.
☐ Please send new profile has changed.		☐ The following analysis is required for recertification. Please sumbit results of the following tests.
CHOService Customer Name	suc.	☐ TCLP Metals☐ TCLP Volatiles☐ TCLP Semi-volatiles
Signature		☐ Reactivity☐ Corrosivity
President Company/Title		* MSDS attached to original profile
12/17/08		profile

Duco, Inc. 1989 Prof# 1989



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/8/2007

Dear Jerry Hill

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1989

Generator: Duco, Inc.

Address: 16661 Jacinto Port Blvd

Houston, TX 77015

Waste Information

Name of Waste: Ethylelne glycol TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Pressure testing of hose and pipe

Color: various-yellow/green/b Odor: glycol like pH: 6-9

Physical State:

Incompatibilities: oxidizers

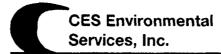
Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460 http://www.cesenvironmental.com

Fax: (713) 676-1676

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900 # 1989

SECTION 1: Gener	rator Information				
Company:	DUCO Inc. Techn	ip			
Address:	16661 Jacintoport	Blvd.			
City, State, Zip:	Houston, TX 770	15			
Contact:	Bill Martin		Title:	HSE Mgr.	
Phone No:	281-249-2842		_ Fax No:	281-457-6794	
24/hr Phone:	CES-713-676-146	0	_		
U.S. EPA I.D. No:	TXD000807966		_	. 1 2	
State I.D.	33041	·	SIC Code:	NA	
SECTION 2: Billing Company: Address:	g Information – 🔀 S	Same as Above			_
City, State, Zip:			- 4		
Contact:		Title:			-
Phone No:		Fax No:			—
SECTION 3: Gener	al Description of th	e Waste			
Name of Waste: Eth Detailed Description		ing Waste: Pressure testing	g of hose and pipe	<u>e</u>	
Physical State:	∠ Liquid	☐ Sludge	Powder		
I Hy oreas States	Solid	Filter Cake	Combinatio	n	
	Sonu	Filter Cake	Combinatio		
Color: various-yellow	vish/green/blue (Odor: glycol like			
Specific Gravity (wa	ter=1): <u>1.02-1.06</u>	Density: 8.5 lbs/gal			
Layers:	☐ Single-phase	Multi-phase			
Container Type:	☐ Drum	☐ Tote	Truck	Other (explain)	
Container Size:			6000		
Container Size.			0000		
_			7	5 7 	
Frequency:	☐ Weekly	Monthly	Quarterly	⊠ Yearly	
Number of Units (cor	· —	Other:			
Texas State Waste Co	ode No: NA	A-Recyclable Material			
Proper U.S. DOT Shi	ipping Name:	Non-RCRA; Non-DO	OT Regulated Ma	nterial	
Class: NA	UN/N.	A: NA	PG: NA	RQ: NA	
					
Flash Point	рH	Reactive Sulfides	Reactive C	yanides Solids	
>1 <u>50</u>	6-9	Omg/I	Omg/I	<2%	
Oil&Grease	TOC	Zinc	Copper	Nickel	
>1500mg/l	>1500mg/l	<u>0</u> mg/l	<u>0</u> mg/l	Omg/I	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Ethylene Glycol	35-50%	%
Water	50-65	%
oil	0-3	%
surfactant	0-2	%
		<u> </u>

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. <u>MSDS</u>

SECTION 7: Incompatibilities

TCLP Metals:

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Volatiles:	<u>X</u>		
TCLP Semi-Volatiles:	<u>X</u>		
Reactivity:	<u>X</u>	•	
Corrosivity:	<u>X</u>		
Ignitability:	<u>X</u>		
SECTION 9: Generate	or's Certification		

The information contained here	ein is based on 🛛 gend	erator knowledge and/or	analytical data.	I hereby certify that	the above and
attached description is comple	te and accurate to the	best of my knowledge	and ability to deter	rmine that no delibe	rate or willful
omissions of composition prop	erties exist and that al	I known or suspected ha	azards have been dis	closed. I certify that	t the materials
tested are representative of all n	naterials described by t	this document.			
	WIA				
Authorized Signature	WIA		Date: 18	3-07	

Authorized Signature: WIP	Date: <u>1-8-07</u>
Printed Name/Title: No signature Required	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Kalhen Thank	Additional Information:
Date: 1-8-07 Approved Rejected	REC
Approval Number: 1989	

<u>S</u> 1	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
PI	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils .	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	ium: 0.2 mg/L nium: 8.9 mg/L er: 4.9 mg/L l: 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, cabove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

gurfacturated in tien



245 Freight Street – Waterbury, CT 06702 Telephone (203)575-5700 – Fax (203)575-5630



MATERIAL SAFETY DATA SHEET

PRODUCT

ERIFON SYSTEMS CLEANER

ISSUE DATE

10/05/2006

PRODUCT CODE

174918

24 Hour Emergency Number: CHEMTREC(1-800-424-9300)

SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME

ERIFON SYSTEMS CLEANER

CHEMICAL FAMILY

ORGANIC MIXTURE

NFPA RATING:

2

Health

Flammability

0

Reactivity

Other

(0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = High and 4 = Extreme)

SECTION 2

NOTE:

HAZARDOUS INGREDIENTS

These physical properties are typical values for this product.

Chemical Name	CAS#	By Weight%
1,3,5-TRIS(HYDROXYETHYL)-S- TRIAZINE	4719-04-4	50 - 60
SURFACTANT, NONIONIC		1 - 10

SECTION 3	PHYSICAL DATA		
DENSITY	9.424 LB/GL	FORM	Liquid
SPECIFIC GRAVITY	1.13	PH	11
FREEZING POINT	Not determined	FLASH POINT	266 °F 130 °C
VAPOR PRESSURE	Not determined	% VOC	21
BOILING POINT	212 ℉ 100 ℃	MELTING POINT	-28 ℉ -33 ℃
CHEMICAL OXYGEN	DEMAND (COD)	Not determined	
BIOLOGICAL OXYGE	N DEMAND (BOD)	Not determined	
SOLUBILITY IN WATER		Soluble	
COLOR/ODOR		Yellow/mild	

SECTION 4 FIRE	AND EXPLOSION DATA
FLASH POINT	266 ℉ 130 ℃
EXTINGUISHING MEDIA	Dry chemical, carbon dioxide, foam, water. As appropriate for surrounding material.
UNUSUAL FIRE & EXPLOSION HAZARDS	When heated to decomposition, toxic fumes are emitted. Wear self-contained breathing apparatus/protective clothing.

SECTION 5	FIRST AID DATA
EYES	Flush with water for 15 minutes. Obtain medical aid IMMEDIATELY.
SKIN	Wash contaminated skin with large amounts of soap and water. Remove and isolate contaminated clothing. Obtain medical aid immediately.
INGESTION	Rinse mouth with water. Give water to drink. Do not induce vomiting. Obtain medical aid immediately.
INHALATION	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical aid immediately.
CAUTION	If unconscious – having trouble breathing – or in convulsions do not induce vomiting or give water.

Always clean contaminated clothing and gear prior to reuse. NEVER administer anything to an unconscious person.

SECTION 6 HE	ALTH EFFECTS DATA		
Primary Route(s) of Exposure: Eye, Skin, Inhalation and Ingestion			
EYE CONTACT (ACUTE)	Direct eye contact will cause severe irritation.		
EYE CONTACT (CHRONIC)	No data available.		
SKIN CONTACT (ACUTE)	May cause irritation to the skin.		
SKIN CONTACT (CHRONIC)	There are no known chronic effects associated with this material.		
INGESTION (ACUTE)	May irritate mouth and gastrointestinal system. May cause nausea, vomiting, diarrhea.		
INGESTION (CHRONIC)	No data available.		
INHALATION (ACUTE)	Irritation of nose/mouth/throat and respiratory system may occur.		
INHALATION (CHRONIC)	No data available.		

SECTION 7

PERSONAL PROTECTIVE DATA

RESPIRATORY PROTECTION

If there is a value for OSHA-PEL/ACGIH-TLV in section 13 and it is exceeded, it is recommended that a NIOSH approved respirator be used. Consult with your Industrial Hygienist for appropriate cartridge selection and use. See 29CFR 1910.134 for details. For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a positive pressure, self

contained breathing apparatus is recommended.

VENTILATION

General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, dusts, mists or

aerosols may be released.

PROTECTIVE EQUIPMENT

Chemically resistant apron, boots and gloves. Recommended material of construction: PVC, rubber, neoprene. The availability of a safety shower is recommended. If clothing is contaminated, remove clothing and thoroughly wash the affected body area. Launder contaminated clothing before reuse. Wear safety glasses or splash proof goggles, face shield. The availability of an eye wash is recommended.

These are general recommendations to provide a safe level of protection for various material handling conditions. Consult with

your Safety Professional/Industrial Hygienist for specific information regarding applications at your facility

These are general recommendations to provide a safe level of protection for various material handling conditions. Consult with your Safety Professional/Industrial Hygienist for specific information regarding applications at your facility.

SECTION 8

TOXICOLOGY DATA

TOXICITY STUDIES:

Toxicity studies have not been conducted on this product. However toxicity literature surveys have been conducted on the ingredient(s) in section 2. The results are as follows:

ACUTE ORAL TOXICITY

No data available.

ACUTE DERMAL TOXICITY

No data available.

ACUTE RESPIRATORY TOXICITY

No data available.

OTHER TOXICOLOGICAL

EFFECTS

Unknown

Listed as suspected carcinogen by:

IARC

NO

NTP

NO

OSHA

NO

SECTION 9

REACTIVITY DATA

INCOMPATABILITY

Acids, oxidizing agents

HAZARDOUS DECOMPOSITION

Oxides of carbon and nitrogen, formaldehyde

PRODUCTS STABILITY

Stable

HAZARDOUS POLYMERIZATION

No hazardous polymerization.

SECTION 10

SPILLS & DISPOSAL DATA

In case of Transportation Accidents, call the following 24 hour telephone number: CHEMTREC (1-800-424-9300)

SPILL CONTROL AND RECOVERY

Soak up into inert absorbent material. DO NOT use sawdust or other organic materials. Collect for disposal in plastic recovery drum. Flush residue with

plenty of water to chemical drain.

DISPOSAL

Dispose of by an approved method at an approved secure facility.

Please ensure that packaging, including drums, are disposed of in a responsible manner and in accordance with federal, and your state's, solid/hazardous waste regulations. You may want to refer to www.reuseablepackaging.org for further disposal guidance.

Due to more restrictive waste disposal regulations, NEVER wastetreat or dispose of material until you check your appropriate local, state, & federal regulations for requirements. Spills may REQUIRE notification to FEDERAL, STATE and/or LOCAL AUTHORITIES.

SECTION 11

TRANSPORTATION DATA

DOT

PROPER SHIPPING NAME

NON REGULATED

HAZARD CLASS / SUBSIDIARY CLASS

UN/NA#

REPORTABLE QUANTITY (RQ)

Pkg Group

IMO

PROPER SHIPPING NAME

CLEANING COMPOUND NON REGULATED

HAZARD CLASS / SUBSIDIARY CLASS

UN/NA#

Pkg Group

IATA

PROPER SHIPPING NAME

CLEANING COMPOUND NON REGULATED

HAZARD CLASS / SUBSIDIARY CLASS

UN/NA#

Pkg Group

EXPORT LICENSE MAY BE REQUIRED TO EXPORT THIS PRODUCT

SECTION 12

GENERAL STORAGE DATA

STORAGE TEMPERATURE

Maximum:

Minimum:

STORAGE INFORMATION

Store in a cool, dry area.

SECTION 13

REGULATORY DATA

The following regulations apply to this product.

FEDERAL REGULATIONS

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

Based on our evaluation, the following ingredients in this product are subject to this rule:

Chemical Name	OSHA-PEL	ACGIH-TLV
1,3,5-TRIS(HYDROXYETHYL)-S-TRIAZINE		
SURFACTANT, NONIONIC		

CERCLA/SUPERFUND, 40 CFR 117, 302/304: Notification of spills of this product is not required

SARA/SUPERFUND AMENDMENTS & REAUTHORIZATION ACT OF 1986 (TITLE III)

Sections 302, 311, 312 and 313

Section 302: Extremely Hazardous Substances

This product does not contain ingredient(s) listed in APPENDIX A of 40 CFR 355.

SECTIONS 311 & 312 - M.S.D.S. REQUIREMENTS (40 CRF 370)

This product contains ingredient(s) that may require reporting under Hazardous Chemical Inventory Reporting

X Immediate (Acute) health hazard	Sudden release of pressure hazard
Delayed (Chronic) health hazard	Reactive Hazard
Fire Hazard	

SECTION 313 – LIST OF TOXIC CHEMICALS (40 CFR 372)

This product does not contain ingredient(s) listed under 40 CFR 372.65

TOXIC SUBSTANCE CONTROL ACT (TSCA)

The chemical ingredient(s) in this product are listed on the 8(b) Inventory List (40 CFR 710).

RESOURCE CONSERVATION & RECOVERY ACT (RCRA), 40 CRF 261 SUBPARTS C & D

Please refer to section 10, disposal information for pertinent data.

PRIORITY POLLUTANTS

This product does not contain ingredient(s) on the list of Clean Water Act Priority Pollutants.

OSHA PROCESS SAFETY (1910.119)

This product does not contain ingredient(s) listed in APPENDIX A of 29 CFR 1910.119 of Highly Hazardous Chemicals, Toxics, and Reactives of OSHA process safety management.

CLEAN AIR ACT

This product does not contain ingredient(s) listed on the Hazardous Air Pollutants of CAA 40 CFR 112(G).

OZONE DEPLETING SUBSTANCES

This product does not contain ingredient(s) listed on Ozone Depleting Substances of CAA 40 CFR 82.

STATE REGULATIONS

CALIFORNIA PROPOSITION 65

This product does not contain ingredient(s) listed on California Prop 65 suspected carcinogen/reproductive toxicant list.

MICHIGAN CRITICAL MATERIALS

This product does not contain ingredient(s) listed on the Michigan Critical Material Register.

The information listed above does not include all Federal, State, and International regulations. The regulations listed above may change from time to time; It is the users responsibility to keep advised of current regulatory requirements.

Prepared by MacDermid Safety & Regulatory Compliance Department, based upon publicly available reference information.

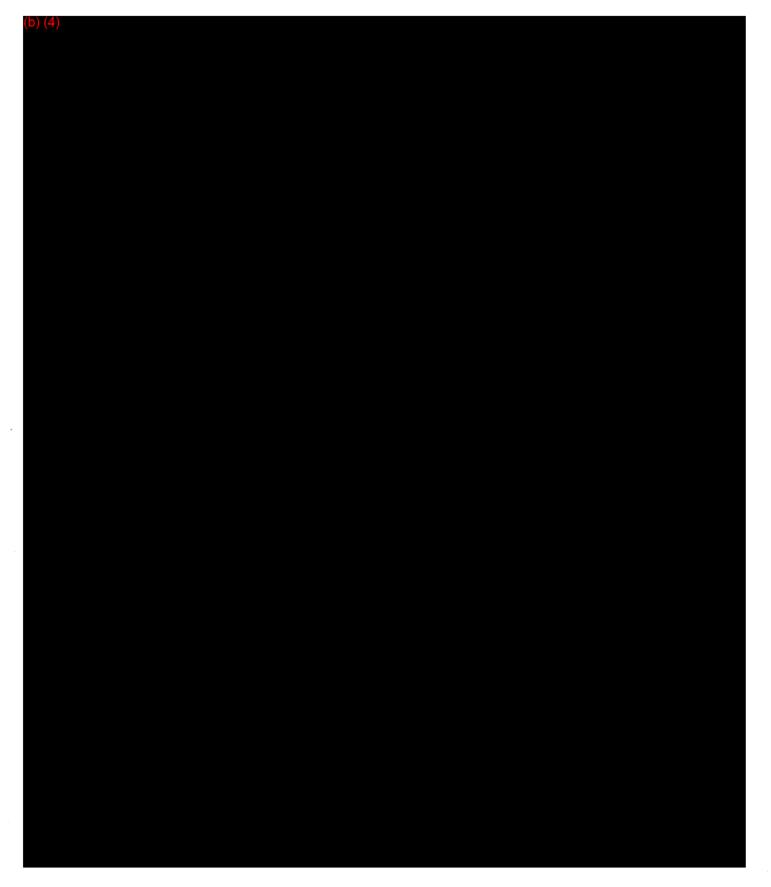
SECTION 14

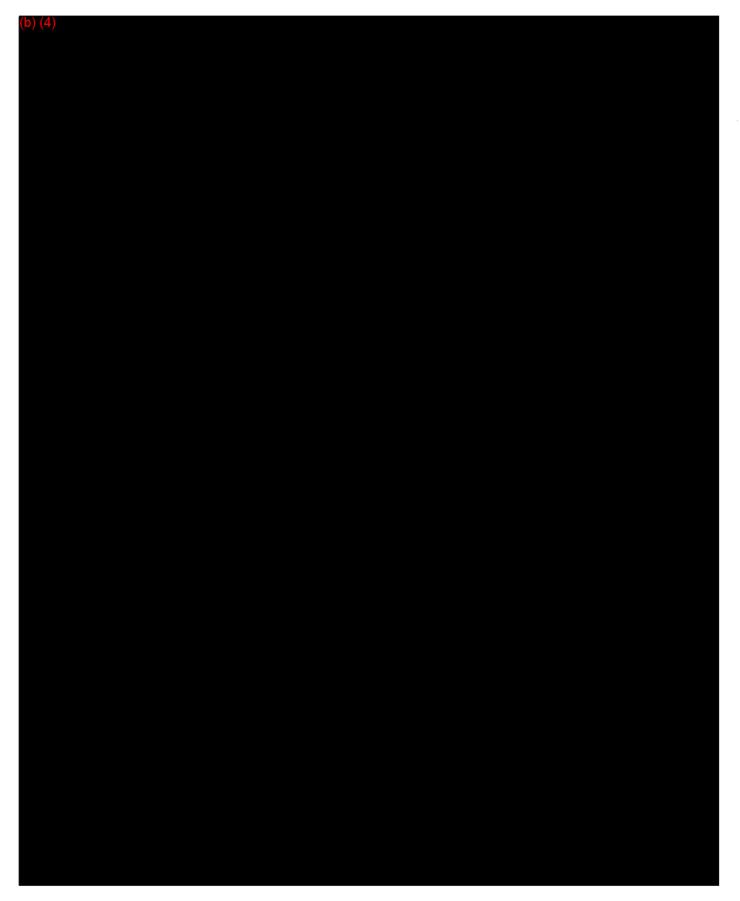
USER NOTIFICATION

To the best of our knowledge the information contained herein is correct. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should salisty themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERE UNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REPERS.

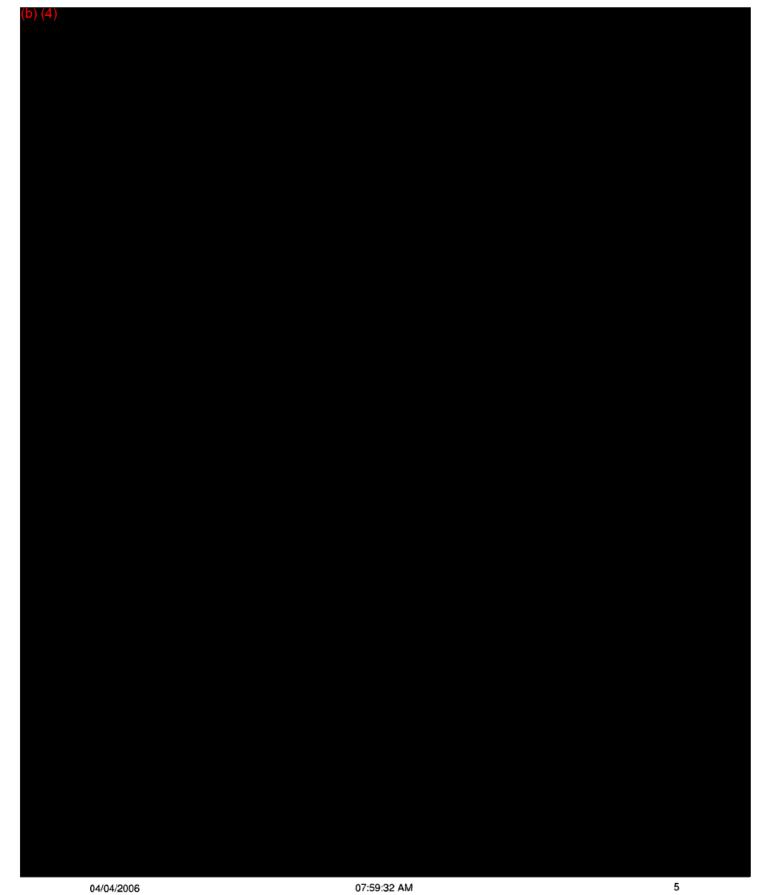
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6





MATERIAL SAFETY DATA SHEET

1.	Product: Oceanic HW 525P A hydraulic fluid used for production control in the	Offshore	Oil and Gas Industry	,		
2.	Composition / Information on Hazardous Ingl		Oil and das industry			
	<u>Material</u>	%	<u>Health</u>	Risk	CAS No.	
	Monoethylene Glycol	>25%	Xn	R22	107-21-	
3.	Hazards Identification	~~~				
	The product is harmful if swallowed.					
4.0	First Aid		Treatment of Ov	er Exposure B	y:	
	Effects of Over Exposure By:	4.5	Eye Contact	-		
4.1	Eye Contact		Rinse the eye wit	h fresh water fo	r at least 15	
	May cause discomfort and/or stinging.		minutes. If discon	nfort persists se	ek medical	
4.2	Skin Contact		attention.			
	May cause itching on prolonged contact.	4.6	Skin Contact			
4.3	Inhalation		Wash with soap a			
	Not applicable unless as mist. If misting occurs		contaminated clos	-	ise. If irritation	
	the product will irritate the nose and upper	4.7	occurs seek medi	cai attention.		
	respiratory tract.	4.7		air		
4.4	Ingestion	4.8	Remove to fresh	ali.		
	May cause nausea and/or vomiting. Ingestion of	4.0	Ingestion Give milk or water to drink. DO NOT induce			
	100ml ethylene glycol has been proved to be					
				o vomiting, although the casualty may be allowed vomit naturally. Seek medical attention		
			urgently.			
5.0	Fire-Fighting Measures	5.3	Exposure Hazar	ds		
5.1	Suitable Extinguishing Media		None known. Protective Equipment for Fire-Fighters			
	Not applicable as the product is non-flammable.	5.4			ighters	
5.2	Unsuitable Extinguishing Media		Not required.			
6.0	Accidental Release Measures	6.3	Clean-Up and No	eutralisation M	ethods	
6.1	Personal Precautions		Small spillages m			
	Gloves and eye protection should be worn when		volume of water.			
	handling the product.		absorbed using s			
6.2	Environmental Precautions		material. Place all containers for disp		e into suitable	
	Prevent the spillage entering drains and		Containers for disp	oosai.		
	watercourses.					
7.0	Handling and Storage	7.2	Storage Precaut	ions		
7.1	Precautions for Safe Handling		Store away from t			
	Gloves and eye protection should be worn when handling the product.	7.3	Other Informatio	n		
B.0	Exposure Controls / Personal Protection	8.4	Hand Protection			
8.1	Technical Protective Measures		PVC gloves shou	ld be worn if the	re is a risk of	
	No special measures are required.		contact with the s	kin.		
3.2	Exposure Control Limits	8.5	Skin Protection			
	Not known.		Overalls should b	e worn when ha	indling the	
3.3	Respiratory Protection		product.			
	• •	8.6	Eye / Face Prote	ction		
	Not required under normal conditions of use.	0.0	Goggles or a face			

MacDermid Offshore Solutions

Cale Lane, New Springs, Wigan, WN2 1JR, U.K. International Code: +44, Local Dialling code (0) 1942 Main Switchboard 501000 Main Fax 501110

Technical Services 501048, Sales Office 501111 Sales Office Fax 501112

Email MacDermid Wigan@MacDermid.com - Web Site http://www.macdermid.co.uk/offshore

Oceanic HW525P Page 1 of 2 Issue No: 2



THONMEN PORTER TO SHARE FLUID

MATERIAL SAFETY DATA SHEET

9.0	Physical and Chemical Properties	9.11	Vapour Pre	essure 2.33 KN.m ⁻²
9.1	Physical State Mobile liquid	9.12	Vapour De	-
9.2	Colour Fluorescent Green	9.13	Relative de	ensity / Specific Gravity
9.3	Odour Mild amine		Specific Gra	avity = 1.041 at 15.6°C.
9.4	pH Value 9.4 at 100%	9.14	Solubility	
9.5	Boiling Point / Range 100°C	9.15	Solubility i	in Water Soluble.
9.6	Flammability Non-flammable.	9.16	Solubility i	n Fats and Oils Partially soluble.
9.7	Flashpoint Not applicable.	9.17	Partition C	oefficient (n-Octanol / Water)
9.8	Autoignition Temperature Not applicable	ı .	Not determi	ined.
9.9	Explosive Limits Not applicable.	9.18	Viscosity A	At 20°C = 2.6 centistokes approx.
9.10	Oxidising Properties Not known.	9.19	Other Infor	rmation
10.0	Stability and Reactivity	10.2	Materials to	o Avoid
	Stable		No special	precautions.
10.1	Conditions to Avoid	10.3	Hazardous	Decomposition Products
	No special precautions.		None know	n.
11.0	Toxicological Information (Parcom Tests	5)		
	Skeletonema Costatum (Algae) 72h EC50	36.6 mg/1		
	Acartia Tonsa (Crustacean) 48h LC50 644	mg/1		
	Corophium Volutator (Sediment Reworker)	10 day LC50	2037 mg/kg	
	Cyprinodon variegatus (Fish Test) 96h LC5	50 = 2505 mg/s		
12.0	Ecological Information			
	No data available.			
13.0	Disposal Considerations			
	Dispose in accordance with local regulation	ns		
14.0	Transport Information N/A	14.2	Packaging	Group: N/A
14.1	UN Number: N/A	14.3	Shipping N	lame N/A
	ROAD & RAIL	SEA		AIR
	Hazard Symbols: N/A	Hazard Symi	ools: N/A	Hazard Symbols: N/A
	ADR/RID Class: N/A	IMDGCODE:	N/A	ICAO/IATA Class: N/A
	Hazard No: N/A	EMS No.: N/	4	
	Other: N/A	MFAG No: N	/A	·
15.0	Regulatory Information	15.3	Safety Phra	ases
15.1	Classification		S2 - Keep o	out of reach of children.
	Xn - Harmful	15.4	Specific E0	C Controls
15.2	Risk Phrases	15.5	Relevant U	K Legislative Controls
	R22 - Harmful if swallowed.		UK Offshore Discharged	e Notification Scheme for Chemicals Offshore.
16.0	Other Information	16.3	Further Info	ormation
16.1	Training Advice	16.4	Sources of	Key Data
16.2	Recommended Uses and Restrictions		Suppliers' s	afety data sheets; CHIP 3
	The product is a subsea production control hydraulic fluid.		Regulations	

Every effort has been made to ensure that the information in this Safety Data Sheet is accurate and reliable, but the company cannot accept liability for any loss, injury or damage, which may result from its use data given in this Safety Data Sheet is solely for the guidance in safe handling and use of the product by customers - they do not constitute a specification. Customers are reminded that there may be applications of our products, which are, protected by patent, under which they have no rights whatsoever. If any difficulties should arise, we will be happy to discuss them. Customers are encouraged to carry out their own tests before using any product. Read the label carefully.

MacDermid Offshore Solutions

Cale Lane, New Springs, Wigan, WN2 1JR, U.K. International Code: +44, Local Dialling code (0) 1942 Main Switchboard 501000 Main Fax 501110

Technical Services 501048, Sales Office 501111 Sales Office Fax 501112

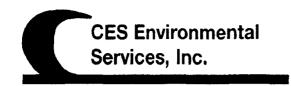
Email MacDermid_Wigan@MacDermid.com - Web Site http://www.macdermid.co.uk/offshore

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Issue No: 2

EPAHO105001684

Bay Systems North America 1990 Prof# 1990



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/8/2007

Dear Danny Dove

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1990

Generator: BaySystems North America

Address: 2400 Spring Stubner

Spring, TX 77383

Waste Information

Name of Waste: Nonhazardous waste solids

TCEQ Waste Code #: CESQ3192

Container Type:

Detailed Description of Process Generating Waste:

Unused calcium carbonate in drums. Product is off spec due to a spill on the ground and contaminated with dirt and dust

Color: white

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

CES Environmental Services, Inc.

1990

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 39048

U.S. EPA ID No: TXD008950461 ISWR No: 30900 DB Stream B

SECTION 1: Gener	ator Information				
Company:		America		au-	
Address:	2400 Spring Stubr	er			
City, State, Zip:	Spring, TX 77383				
Contact:	Danny Dove		Title:	Supervisor	_
Phone No:	281-350-9000		Fax No:	281-288-6450	-
24/hr Phone:	281-350-9000		-		_
U.S. EPA I.D. No:	TXCESQG		_		
State I.D.	CESOG		SIC Code:	NH	
			- 0.0 0000		-
SECTION 2: Billing	· Information	Eama as Abarra			
	BaySystems North A				
	PO Box 1509	inerica			-
			····		nite.
	Spring, TX 77383-15				_
_	Accounts Payable	Title:			_
Phone No:	281-350-9000	Fax No:	281-288-6450)	_
				•	
SECTION 3: Gener	al Description of th	e Waste			1
					H +
Name of Waste: No					107
Detailed Description	of Process General	ing Waste: Unused Calcium	Carbonate in d	rums. Product is off spec due to a spill on t	<u>he</u> "" '
ground and contamina	ated with dirt and dus	<u>t.</u>			MI II
					#(/ /) #c
Physical State:	Liquid	Sludge	Powder		
	Solid .	☐ Filter Cake ☐			10 1 10 1
					M/ I
Color: White		Idor: None			1 5
Coins Muite		odor. Ivone			J # .
0 10 0 1: /	. 4. 4.4 #	7 5			
Specific Gravity (wa	ter=1): <u>1-1.5.</u>	Density: 9 lbs/gal			
	_	_			e.
Layers:	Single-phase	Multi-phase			
Container Type:	Drum .	☐ Tote ☐	Truck	Other (explain)	
Container Size:	ST.		- 472 2727	The Later Surface Line Line Line Line Line Line Line Lin	
Container Size.	כג				
Frequency:	☐ Weekly	☐ Monthly 🖂	Quarterly	Yearly	
Number of Units (co		Other:			
					17
Texas State Waste C	ode No: Ci	ESQ3192			7.
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Solids					
CIL N	. TINI/N	A. 31-	DO: No	DO 1	_
Class: Na	UN/N	A: Na	PG: Na	RQ: Na	
	T-1.	D 4 6 151	T	11 10 11	_
Flash Point	рН	Reactive Sulfides		yanides Solids	
>200	<u>Na</u>	Omg/I	Omg/i	100%	4
Oil&Grease	TOC		Copper		-
Namg/I	Namg/I	NAmg/I	<u>Na</u> mg/I	Namg/I	1

SECTION 4:	Physical and	Chemical	Data

The waste consists of the following materials	Concentration Runges are acceptable	OF %
Calcium Carbonate	99-100	%
Dust, Dirt	0-1	1%
		L <u> </u>

SECTION S: Safety Related Data
If the landling of this waste requires the useful special protective equipment, plane explain, None, Standard PPF
SECTION 6: Attached Supporting Documents
List bil documents, noice, duin, und/or analysis uttached to this form as part of the waste upproval puckage.
SECTION 7: Incompatibilities
Please list all incompatibilities (if any); None
SECTION 8: Ceneralite's Knowledge Documentation
Laboratory unalysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:
TCLP Metaln: X TCLP Volutiles: X TCLP Semf-Volatiles: X Reactivity: X Corrusivity: X Ignitability: X
SECTION 9: Generator's Certification
The information contained herein is based on \(\subseteq generator knowledge and/or \) analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and shiftly to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative or all materials described by this document.
Authorized Signature: 1-2-07
Printed Name/little: Dunny Dove/ Supervisor
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer, Labouri Clay Additional Information:
Date: 1-2-07 Approved Rejected 15
Approval Number: 1990

SECTION 10: Waste Reveint Classification Under 40 CFR 437

ls this material a wastewater or wastewater sludge? YES NO	
If 'Yes', complete this section.	
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.	
Metals Subcategory: Subpart A	
Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment	
Oils Subcategory: Subpart B	
Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	
Organics Subcategory: Subpart C	
Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources	

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Copper: 4.9 mg/L
Nickel: 37.5 mg/L

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory

Oils Subcategory

Organics Subcategory

SECTION 11: Additional Instructions

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

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CALCIUM CARBONATE

MSDS

MSDS Number: C0330 - Effective Date: 08/01/99

1. Product Identification

Synonyms: Calcite; Aragonite; Limestone; Marble

CAS No.: 471-34-1

Molecular Weight: 100.09 Chemical Formula: CaCO3

Product Codes: ExCAL 100, ExCAL 200, ExCAL 325, ExCAL 400, ExCAL W6,

ExCAL W3, ExCAL W PG

2. Composition/Information on Ingredients

Ingredient CAS No Percent Hazardous
Calcium Carbonate 471-34-1 90 - 100% No

3. Hazards Identification

Excalibar Minerals, Inc. Safe Data Ratings (Provided here for your convenience)

Health Rating: 0 - None

Flammability Rating: 0 - None Reactivity Rating: 0 - None Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES

Potential Health Effects

Inhalation:

Excessive concentrations of a nuisance dust may cause nuisance condition such as coughing, sneezing, and nasal irritation.

Ingestion:

Non-toxic.

Skin Contact:

Not expected to be a health hazard from skin exposure.

Eye Contact:

No information found, but presumed to cause mechanical irritation.

Chronic Exposure:

Excessive oral doses of calcium carbonate may produce alkalosis and hypercalcemia.

Aggravation of Pre-existing Conditions:

15425 North Freeway • Suite 3/0 • Houston, Texas 77090 • 281/872-4539 • Fax: 291/872 8241

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No information found.

4. First Aid Measures

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact:

Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

5. Fire Fighting Measures

Fire:

Not considered a fire hazard.

Explosion:

Not considered an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

OSHA Permissible Exposure Limit (PEL):

15 mg/m3 total dust, 5 mg/m3 respirable fraction for nuisance dusts.

ACGIH Threshold Limit Value (TLV):

10 mg/m3 total dust containing no asbestos

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred

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because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded, a half-face dust/mist respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.

Skin Protection: Gloves, apron or coveralls.

Eye Protection: GOGGLES.

9. Physical and Chemical Properties

Appearance:

Fine, white powder.

Odor:

Odorless.

Solubility: Density;

0.001 gm in 100 ml water, soluble in dilute acids.

2.7 - 2.95

pH;

No information found.

% Volatiles by

volume @ 21C (70F):

O

Boiling Point:

Not applicable. 825C (1517F)

Melting Point:

No information found.

Vapor Density (Air=1): Vapor Pressure (mm Hg):

No information found.

Evaporation Rate (BuAc=1):

No information found.

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage.

Decomposition Products:

Will react with acids to liberate carbon dioxide.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

· \Cancer Lists\			
	- N TP	Carcinogen	-
Ingredient	Mown	Anticipated	IARC Category
Calcium Carbonate	No	NO	None
(471-34-1)			

The principal components of calcium carbonate (limestone and marble) are not on the NTP, IRAC or OSHA lists of carcinogens, and there are no known health effects associated with prolonged exposure to pure calcium carbonate. Crystalline silica (quartz), a trace component of most limestone and marble products, in its respirable form

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has been listed by IRAC as a Type I carcinogen, and the NTP has stated that crystalline silica is reasonably anticipated to be a carcinogen. Studies indicate that prolonged exposure to crystalline silica at levels that exceed the appropriate limits has been found to cause silicosis, a non-cancerous lung disease.

12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

13. Transport Information

Not regulated.

14. Regulatory Information

Chemical Inventory Status - Part 1

Ingredient TSCA EC

Calcium Carbonate(471-34-1) Yes Yes

Fodoral, State & International Regulations - Part 1

-SARA 302- --- SARA 313---

Ingredient RQ TPQ List Chemical Catg.

Calcium Carbonate (471-34-1) No No No No

Federal, State & International Regulations - Part 2

Ingredient CERCLA 261.33 8(d)

Calcium Carbonate (471-34.1) No No No

Poison Schedule: No information found.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

15. Other Information

NFPA Ratings: Health: 0 Flammability: 0 Reactivity: 0

Label Hazard Warning:

CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY

TRACT. NUISANCE DUST.

Label Precautions:

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

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Avoid breathing dust.
Keep container closed.
Use with adequate ventilation.
Label First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. If irritation develops, call a physician. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty.

Disclaimer:

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